

OTTO HOLDEN GENERATING STATION

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Ontario Hydro Electric Power Commission  
Forty-Fifth Annual Report

of

# The Hydro-Electric Power Commission of Ontario

1952



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Toronto

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# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1952

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ROBERT H. SAUNDERS, C.B.E., Q.C.  
Chairman

HON. GEORGE H. CHALLIES, M.L.A.  
1st Vice-Chairman

W. ROSS STRIKE, Q.C.  
2nd Vice-Chairman

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RICHARD L. HEARN, D.ENG.  
General Manager  
and Chief Engineer

ERNEST B. EASSON,  
Secretary

HEAD OFFICE  
620 University Avenue, Toronto, Ontario







## LETTER OF TRANSMITTAL

TORONTO, ONTARIO, APRIL 30, 1953

THE HONOURABLE LOUIS O. BREITHAAPT

*Lieutenant-Governor of Ontario*

SIR:

It is my privilege as Chairman of The Hydro-Electric Power Commission of Ontario to present its Forty-fifth Annual Report for the year ended December 31, 1952.

From its text, illustrations, and tables, the citizens of Ontario may derive a fresh realization of the growth and prosperity of this Province and of the notable part Ontario Hydro is playing in our economy. The Report records substantial progress in all phases of the Commission's activities. As in the past, the members of the Commission and its staff have met the challenges and the problems of the year with that determination to fulfil its responsibilities to the citizens of Ontario which has characterized the conduct of Hydro affairs for nearly half a century.

### **Development Program**

Demands for electric power to serve Ontario's industries, homes, and farms were greater during 1952 than in any previous year. Vigorous continuation of the Commission's power development program brought ten generating units into service at three major generating stations. Seven of these were at Otto Holden Generating Station on the Ottawa River, two were at Richard L. Hearn Generating Station in Toronto, and one was at J. Clark Keith Generating Station in Windsor. The Commission's dependable peak capacity in December 1952 was 3,353,350 kilowatts, or 73.1 per cent greater than the corresponding figure for 1945 of 1,937,500 kilowatts.

Throughout 1952, while maintaining the efficiency, economy, and security of its service, the Commission proceeded with plans to meet the expanded needs for electric power indicated by studies of existing trends. It may be said with reasonable confidence that existing sources of power, augmented by projects already programmed, will meet the requirements of the Commission's customers until late in 1956 or early in 1957. Beyond that date the undeveloped resources of the International Section of the St. Lawrence River must be made available to Ontario if future load growth is to be met by low-cost hydro-electric power. The Commission was greatly encouraged in October 1952

when the International Joint Commission gave its approval to the joint proposal to develop this great international asset. The Commission has done and will continue to do everything in its power to hasten a favourable decision, thus making it possible to harness the much-needed St. Lawrence energy which is still going to waste.

The remarkable progress made in the construction of Sir Adam Beck-Niagara Generating Station No. 2 may be taken as an illustration of what will happen as soon as the responsible authorities in the United States clear the last obstacles preventing the development of the St. Lawrence. Less than three months after final ratification of the Niagara Diversion Treaty of 1950, which made this development possible, actual construction was in progress. By the end of 1952, 58.2 per cent of the rock and 80.3 per cent of the earth to be removed for the construction of Sir Adam Beck-Niagara Generating Station No. 2 had been excavated and construction at the powerhouse site was well advanced. Skilled construction crews, numbering more than 5,500 men, worked speedily and efficiently with the aim of bringing the station into service in 1954. When twelve units of the station are in service in 1956, the installed capacity of this the largest power development ever undertaken by Ontario Hydro will be 900,000 kilowatts.

#### **Frequency Standardization**

The Commission's frequency standardization program proceeded on schedule during 1952. It is not easy to illustrate the great size and complexity of this undertaking whereby the 25-cycle frequency established half a century ago in parts of southern Ontario will be largely replaced by the 60-cycle frequency which later became virtually a standard throughout North America. The evidence of work done and the benefits of the program are spread far and wide in the homes and business premises of the 268,288 customers for whom 1,275,206 items had been standardized by the end of 1952. Among these items were 136,032 refrigerators, 195,182 washing-machines, 37,661 oil-burners, and 61,517 clocks and fans. In addition, 176,103 clocks, fans, and other small appliances were exchanged for new models.

The cost of the frequency standardization program will substantially exceed the estimates made in 1947. The amazing commercial and industrial development which has occurred since then and the great increase in the use of electrical appliances have combined with rising costs of labour and materials to force an upward revision of the probable cost of standardization. On the basis of the Commission's inventories to date, it is known that the number of frequency-sensitive items per domestic customer is nearly double the original estimate. The number of customers of all classes to be standardized is now estimated at 904,700 as compared with 784,300 estimated in 1947.

In order to hold standardization costs to a minimum, the Commission has encouraged the production by electrical manufacturers of dual-frequency refrigerators, fluorescent lighting ballasts, transformers, oil-burners and controls, and other equipment. Savings amounting to several million dollars are anticipated through the use of such dual-frequency equipment and through new techniques applied to the conversion of house meters.

## Rural

Excellent progress was made during 1952 in the Commission's program of rural electrification. Three new rural operating areas were established, two of them in northern Ontario. Throughout the Province, the net increase in the number of rural customers served by the Commission was 24,931 or 7.8 per cent. At the end of the year, the Commission had 343,537 customers and 40,277 miles of primary distribution lines.

The average cost per kilowatt-hour of energy delivered to farm service customers in 1952 was 1.92 cents whereas the comparable figure in 1939 was 2.56 cents. This reduction, when contrasted with the increases in the prices of most of the other commodities purchased by our farmers, emphasizes the great contribution Hydro is making to our agricultural industry.

Unfortunately, before the end of the year, due to steadily mounting labour, material, and steam power costs, Ontario Hydro had to announce an increase in rural rates averaging 14.9 per cent. Present indications are, however, that this increase in the average cost of farm, hamlet, commercial, and summer cottage services will result in an average cost of 2.3 cents per kilowatt-hour as compared with 2.61 cents in 1943. In other words, average 1953 cost per kilowatt-hour for these rural customers will be less than it was in or prior to 1943.

The Provincial Government, through its policy of financial assistance as a direct benefit to the rural customer, undertakes to pay 50 per cent of the capital costs of rural distribution facilities. This assistance does not apply, however, to current expenses for operation and maintenance of service to the people in rural areas. The grant-in-aid in 1952 amounted to \$8,825,973, bringing the over-all total since 1921 to \$71,841,139. Let me reiterate, this form of financial assistance is solely for the benefit of rural customers. It produces dividends in terms of farm production and domestic comfort every day in the year.

## Financial

The financial statements of the Commission presented in this Report are divided into two groups, the first relating to the Southern Ontario System and the second relating to the Northern Ontario Properties. This division emphasizes the fact that the two systems are separate financial entities. Under no circumstances have any reserves of Northern Ontario Properties been transferred and used for the Southern Ontario System. The division is further emphasized by the financial separation of the consolidated Rural Power District. Although rural customers are supplied throughout the Province under a uniform rate structure for farm, hamlet, commercial, and summer service, no transfers of funds have been made between that part of the Rural Power District served by the Southern Ontario System and that part served by the Northern Ontario Properties.

### Northern Ontario Properties

It will be noted in the Report that early in 1952, through agreements with the Provincial Government and the municipalities formerly served by the Commission's Thunder Bay System, that system was merged for financial and administrative purposes with the Northern Ontario Properties. Under the new organizational arrangements, subsequently confirmed by legislation, all of



the services operated by the Commission to serve the northern part of the Province form one system called the Northern Ontario Properties.

### Municipal

During 1952 Ontario Hydro served a total of 1,244 municipalities of which 318 were on a cost-contract basis with the Commission. These cost-contract municipalities, which are supplied with power at cost, operate their own utilities. Another 49 municipalities, not included in the Rural Power District, are served directly or indirectly by the Commission under other forms of contract. Included in these 49 municipalities are 11 with fixed-rate contracts, 33 whose customers are served directly by the Commission, and 5 served through other electrical utilities. The remaining 877 include small towns, villages, townships, or improvement districts served through the Commission's rural operating areas. The average cost per kilowatt-hour of domestic service in municipalities served by Hydro (other than rural) in 1952 was 1.04 cents as compared with 1.26 cents in 1939, a decrease of 17 per cent, showing that Ontario Hydro has been able to assist in a very material way in keeping down the high cost of living. Ontario Hydro's duty is to supply power at cost and, therefore, as I explained in my radio report of October 29, 1952, if costs increase then the price of power to the municipalities must, of necessity, increase. Just as everyone has had to pay more for housing, food, fuel, and clothing, Ontario Hydro has had to pay more for steel, copper, lumber, cement, other goods, services, salaries, and wages. One of the greatest factors in the mounting costs that the Commission has had to meet has been the increasing use of steam power.

In the light of these facts, last October 29 I had to announce increases in the interim rates to cost municipalities in the Southern Ontario System averaging 14.8 per cent, effective January 1, 1953.

### Acknowledgments

The tremendous engineering, construction, administrative, and financial efforts which lie behind Hydro's record of achievement during 1952 could not have been so productive without the whole-hearted co-operation of our Federal, Provincial, and Municipal Governments. This co-operation is gratefully acknowledged. The Commission also wishes to thank its suppliers and contractors for their services and for their cordial and co-operative spirit.

We at the Ontario Commission are also deeply grateful for the wonderful co-operation received from the officers and members of the Ontario Municipal Electric Association and of the Association of Municipal Electrical Utilities. These men have rendered a public service of the highest order at all times, in furthering the best interests of their member municipalities.

At the same time, we are conscious of the tremendous job which has been done by the officials and men of labour whose co-operation has been an all-important factor in relation to our record of achievement during the past year. To these men go our sincere thanks.

We also wish to thank the press and radio of Ontario for their continued co-operation in keeping the public informed about Hydro activities, and we are deeply grateful to the many organizations which have invited members of the Commission and its staff to address them on subjects relating to the Hydro enterprise.

To the Commission's staff of regular and temporary employees and to the staffs of contractors engaged on Commission projects we extend sincere thanks for their valuable contributions to the smooth functioning and remarkable extension of Hydro services. In particular, we wish to acknowledge the devotion with which Dr. Richard L. Hearn, the General Manager and Chief Engineer, and his two assistants, Dr. Otto Holden, Assistant General Manager—Engineering, and Mr. A. W. Manby, Assistant General Manager—Administration, have applied their great ability and experience to the conduct of the Commission's affairs.

My colleagues on the Commission, the Honourable George H. Challies and Mr. W. Ross Strike, Q.C., have continued to devote themselves to Hydro affairs and to render valuable counsel and assistance. It is a great pleasure to make this public acknowledgment of their contributions.

Respectfully submitted,

ROBERT H. SAUNDERS,

*Chairman*



LETTER OF SUBMITTAL BY THE GENERAL MANAGER  
AND CHIEF ENGINEER

TORONTO, ONTARIO, APRIL 29, 1953

ROBERT H. SAUNDERS, ESQ., C.B.E., Q.C., *Chairman,*  
and COMMISSIONERS

SIRS:

I submit herewith the Forty-fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1952.

The Report records the Commission's activities in supplying electrical service to its customers through the facilities of the Southern Ontario System and the Northern Ontario Properties. The former system's municipal, rural, and direct industrial customers are served by the Commission on behalf of the co-operating municipalities which have contracted to receive power at cost. The activities in connection with the Northern Ontario Properties relate both to the facilities held and operated in trust for the Province of Ontario and to those used to serve the Thunder Bay municipalities under cost contract.

Throughout the year favourable operating conditions prevailed and new records were established both in production and consumption of energy. Substantial increases occurred in plant capacity, revenues, and the number of customers served and good progress was also made in planning and construction to meet future power needs.

I would like to record a grateful acknowledgment of the loyalty and industry of the staff who contributed so effectively to the accomplishments of the Commission during the past year.

Respectfully submitted,

RICHARD L. HEARN,  
*General Manager*  
*and Chief Engineer*

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FORTY-FIFTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD  
and Guide to the Report**

THE Hydro-Electric Power Commission of Ontario is a separate entity, a self-sustaining public concern endowed with broad powers to produce, buy, and deliver electric power throughout the Province, and to perform certain regulatory functions with respect to the municipal electrical utilities which it serves. The enterprise represented by the Commission is generally known and referred to as the Ontario Hydro.

The members of the Commission, a Chairman and two Vice-Chairmen, are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One Commissioner must be a member, and two may be members, of the Executive Council of the Province of Ontario.

The Commission was created in 1906 by an enactment of the Ontario Legislature after consideration of recommendations made by advisory commissions. These had been appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of the Province. The Commission operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c. 281).

**Historical Notes**

A brief account of the Commission's origin and some of the principal events and achievements of the past was included in the 43rd Annual Report for 1950 beginning on page 1. This was supplemented in the Foreword to the 44th Annual Report by information on the development program since 1945.

Some of the principal developments and events of 1952 may be briefly summarized as follows. The former Thunder Bay System was merged for



financial and administrative purposes with the Northern Ontario Properties. Details of this consolidation appear below under "Systems" and elsewhere in the Report. Major activity in the power development program occurred at Sir Adam Beck-Niagara Generating Station No. 2 on the Niagara River, at the Richard L. Hearn and J. Clark Keith Fuel-Electric Generating Stations in Toronto and Windsor, and at Otto Holden Generating Station on the upper Ottawa River. An important advance was made in the long campaign to develop the International Section of the St. Lawrence River for power and navigation when, in October, approval was given to the project by the International Joint Commission. The program to standardize the frequency of the Southern Ontario System proceeded on schedule during 1952. By the end of the year more than one-third of the area to be standardized had been changed from 25- to 60-cycle operation.

### Organization

The organization of the Commission covers three main functions—policy making, policy interpretation, and action. The Commissioners constitute the final authority on policy decisions. The General Manager and Chief Engineer is the principal executive officer and is responsible for the carrying out of Commission policy and decisions, principally through the means of the two main branches of the organization—Engineering and Administration—each of which is headed by an Assistant General Manager.

### Systems

The Report on the Commission's activities for 1952 is given with reference to two systems, the Southern Ontario System and the Northern Ontario Properties as newly constituted. In each of these systems the Commission's customers include municipal electrical utilities, certain large industrial users, and retail customers in rural municipalities.

The Southern Ontario System serves the older and more populous part of Ontario lying south of a line drawn from Mattawa on the upper Ottawa River approximately west to Georgian Bay. Primarily it serves a group of 312 municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. It is therefore referred to as a co-operative system.

While the Northern Ontario Properties is not in the same sense a co-operative system, it now serves six municipalities that were formerly members of the Thunder Bay co-operative system. As constituted from January 1, 1952, the Northern Ontario Properties is a consolidation for financial and administrative purposes of all the services operated by the Commission in northern Ontario. The consolidation differs from the Southern Ontario System in that it is not wholly integrated for operational purposes. Another important difference is that a large part of its facilities serving the industrial and mining areas of northern Ontario are held and operated in trust for the Province of Ontario.

The territory served by the Northern Ontario Properties extends in the northern part of the Province from the Quebec boundary to the boundary of Manitoba and is divided into a Northeastern and a Northwestern Division for operational purposes. Each of these Divisions is an integrated power system as the result of the gradual consolidation of several formerly isolated systems.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



As yet there is no power connection between the Divisions. Since 1950, there has been an interconnection between the Northeastern Division and the Southern Ontario System.

### Financial Features

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to 318 municipalities, and by the municipalities to their customers at cost. Cost includes, in addition to the cost of power purchased, all charges for operation and maintenance, for interest on capital investment, and for reserves covering depreciation, contingencies and obsolescence, and stabilization of rates. It also includes a reserve for a sinking fund to retire capital debt.

The undertaking from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

The undertaking as a whole involves two distinct phases of operations as follows:

The *first* phase of operations is the provision of the power supply—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The *second* phase of operations is the *retail* distribution of electric energy. In most cities and towns, and in many villages and certain thickly populated areas of townships, retail distribution of electric energy is conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution in a small number of municipalities through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of energy to the customers in the rural operating areas. Since 1944, the rate structure applying to the Commission's farm, hamlet, commercial, and summer service customers has been uniform throughout the Province.

### Guide to the Report

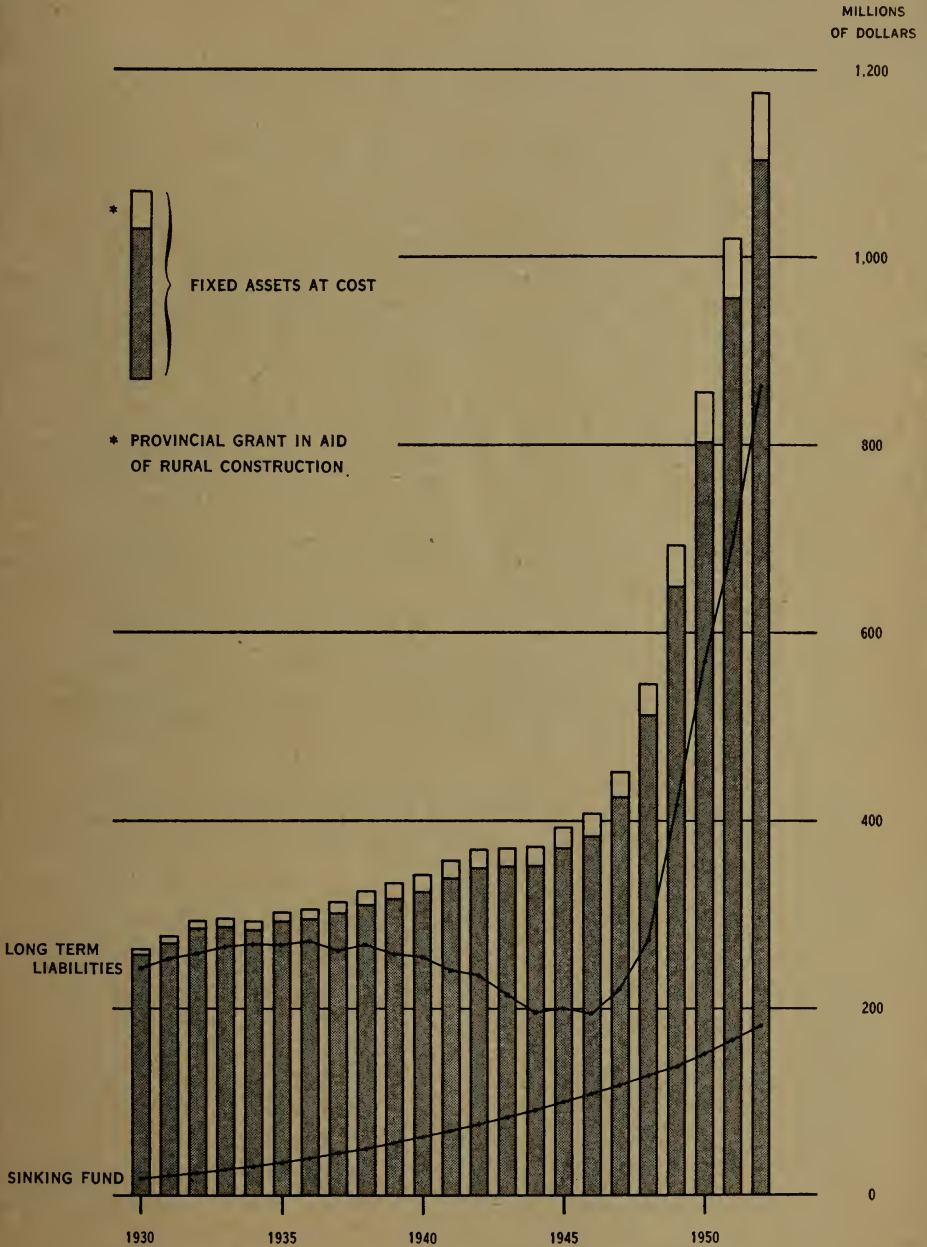
Section I, "Operation of the Systems," describes and discusses the production, purchase, and delivery of power during the year. Details are given of demands, capacities, loads carried, water resources, weather conditions, and other factors affecting operations. There are also reports on the maintenance of the systems and on forestry work.

Section II, "Financial Statements," contains the Commission's balance sheets, statements of operations, and tables showing the funded debt and



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FIXED ASSETS, LONG TERM LIABILITIES,  
AND SINKING FUND



advances from the Province of Ontario. These together with supporting schedules to be found in Appendix II give a comprehensive picture of the financial organization and condition of the Southern Ontario System and the Northern Ontario Properties.

Section III, "The Commission and its Customers," gives a classification of the municipalities served by the Commission. The section includes tables and graphs depicting the growth in domestic and commercial service within certain municipalities. Reports from the regions relating to municipal activities contain brief notes on such events as the construction of new distribution facilities and the admission of new member municipalities. Reports on the Commission's frequency standardization program, direct industrial customers, and electrical inspection activities are also included in this section.

Section IV, "Rural Electrical Service," reports on the growth of supply and the trend in the cost of electrical service throughout rural Ontario.

Section V, "Engineering and Construction," tells of the planning and construction of facilities for the generation and delivery of power, giving data and descriptions of the more important projects.

Section VI, "Research and Testing Activities," contains reports on the various projects to which some forty panels of engineers and technical men devoted full or part time with a view to increasing the efficiency, economy, and safety of the Commission's operations.

Section VII, "Personnel Administration," is devoted to a brief description of the Commission's staff and of some recent developments affecting its members.

Section VIII, "Municipal Electrical Accounts," is the largest in the Report. In a series of four tabular statements, it presents the balance sheets, statements of operations, rates, and consumption statistics of 329 municipalities served by the Commission.

Appendix I—Operations, contains summary tables of loads and capacities, a table of generating station capacities and outputs, and a table showing the loads of the Commission's municipal customers.

Appendix II—Financial, supports the financial statements contained in Section II.

Appendix III—Rural, gives the details of rural rates and statistics of rural service.

Appendix IV—Engineering and Construction, provides details on the changes and additions in the Commission's transformation, transmission, and communications facilities.

Appendix V—Legislative, reproduces amendments to The Power Commission Act and a list of agreements approved.

The attention of the reader is drawn to the list of abbreviations that precedes the comprehensive index beginning on page 359.

# SECTION I

## OPERATION OF THE SYSTEMS

**D**EMANDS for primary power and energy during 1952 established new records throughout the Commission's systems. In a year of notable achievement, the dependable peak capacity of the Commission's resources was increased from 2,941,750 kilowatts in December 1951 to 3,353,350 kilowatts in December 1952. This increase of 14 per cent, the greater part of which resulted from placing new generating facilities in service in the Southern Ontario System, made possible the production of record amounts of power and energy for primary load purposes.

Of the 19,974,428,002 kilowatt-hours produced for commercial load purposes during the year, 15,271,703,979 kilowatt-hours were generated by 64 hydro-electric and 8 fuel-electric stations owned or operated by the Commission. The remaining 4,702,724,023 kilowatt-hours were purchased under regular, temporary, and short-term agreements. The net output of all resources exceeded the 1951 net output of 18,811,452,056 kilowatt-hours by 6.2 per cent.

The increasing importance of the Commission's fuel-electric resources in the combined system totals was reflected in their annual production of 413,783,440 kilowatt-hours for commercial load purposes. This was nearly four times the comparable figure of 104,135,250 kilowatt-hours in 1951.

## SOUTHERN ONTARIO SYSTEM

### Operation

In the Southern Ontario System alone the dependable peak capacity was increased from 2,389,250 kilowatts in December 1951 to 2,790,250 kilowatts in December 1952. This increase of 16.8 per cent included additional generation from both hydraulic and fuel-electric sources. The Otto Holden Generating Station was placed in service in January, and by the end of the year seven of its eight units were in service. One 60-cycle and one 25-cycle unit were added at Richard L. Hearn Generating Station in February and November respectively, and a second unit was placed in service at J. Clark Keith Generating Station in April.

Water storage conditions throughout the system were generally favourable during the year. Natural flows, though showing a steady decline during the early months, were augmented by drawing down storage in preparation for the freshet which occurred in the first week of April. Spring flows more than re-established the levels of most reservoirs, and flows were normal through the summer months. On the upper Ottawa River and in Quebec they were above





DES JOACHIMS GENERATING STATION

A section of the Operators' Colony

normal. Heavy rains in November followed by above-normal temperatures in December produced high natural flows which served to replenish storage reservoirs depleted during an earlier period of light precipitation. As the year closed, the levels of most of the major reservoirs on the Trent, Ottawa, Lievre, and Gatineau Rivers were well above normal.

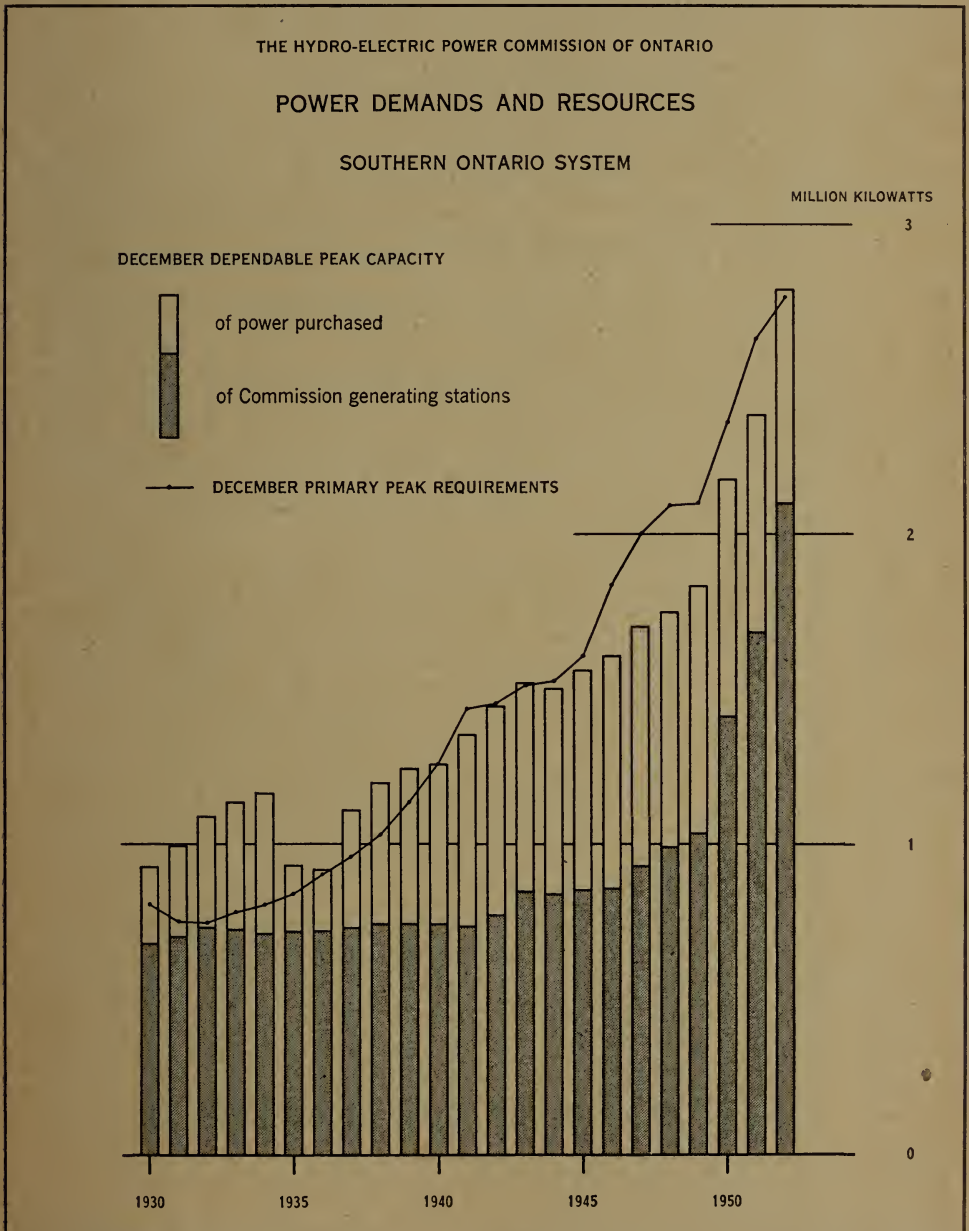
Continuity of service was well maintained under normal operating conditions during the year. A major disturbance, however, occurred during a severe electrical storm on October 1 when two transformers and four of the eight generating units at Des Joachims Generating Station, together with the 230-kv tie-line between Des Joachims and Otto Holden Generating Stations, were temporarily put out of service. The resulting loss in generation of some 350,000 kilowatts had widespread effect throughout the system, but power was restored within 38 minutes and conditions were almost normal 48 minutes after the trouble occurred. Another interruption to service, which occurred in the Niagara-Hamilton district on November 17, was brought about by a unique condition. During a lengthy dry period, dust and dirt accumulated on insulators and cross-arms. This accumulation of dirt, when moistened by a dense fog, permitted electrical leakage. The tops of a number of poles caught fire and conductors were affected so that service was interrupted.

#### **Load Trends**

The maximum amount of power produced for primary and secondary use by the system was 15.4 per cent greater than the maximum in 1951 and amounted to 2,798,476 kilowatts as compared with 2,425,909 kilowatts.

Energy produced for the system reached a total of 16,248,710,072 kilowatt-hours as compared with 15,286,391,769 kilowatt-hours in 1951, an increase of 6.3 per cent. Energy in excess of firm contracts was delivered by the Canadian Niagara Power, Gatineau Power, MacLaren-Quebec Power, Ottawa Valley Power, and Beauharnois Light, Heat, and Power Companies.

When primary power requirements during the early months of 1952 were compared with those in the same months of 1951, it was seen that the rate at which these requirements had been growing for eighteen months was declining slightly. This tendency continued and became more marked during the



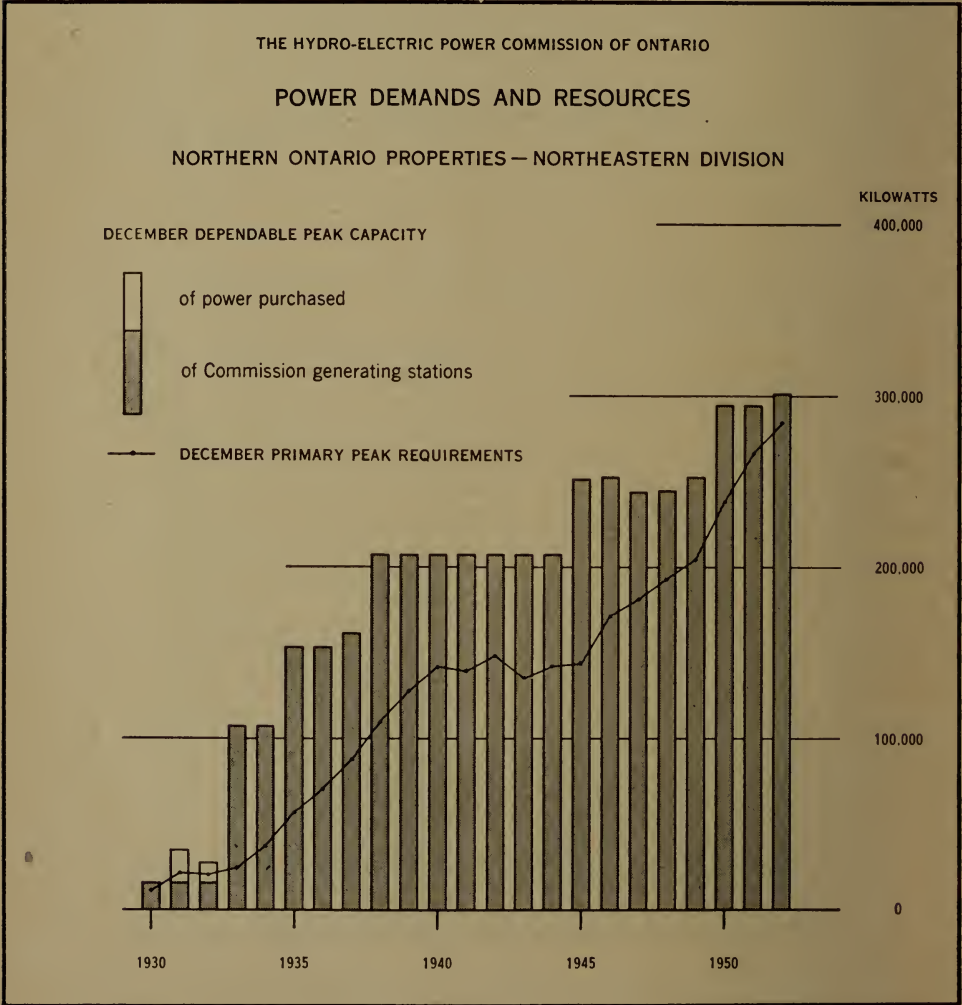
summer months, possibly as an effect of the steel strike in the United States. During the last quarter of the year, however, the rate of increase in primary power requirements rose to about 5 per cent. The December primary power requirements, in reaching a record total of 2,765,986 kilowatts, were greater than the requirements of 2,630,000 kilowatts in 1951 by 5.2 per cent. Primary energy requirements established new records in 50,986,783 kilowatt-hours for a single day and 15,462,130,372 kilowatt-hours for the entire year. Of this last amount, which exceeded the 1951 total of 14,596,446,663 kilowatt-hours by 5.9 per cent, 9,055,800 kilowatt-hours represent the estimated load cut.

NORTHERN ONTARIO PROPERTIES

NORTHEASTERN DIVISION

Operation

Extension of the Commission's service in northern Ontario included the purchase of two small hydro-electric generating stations and the rehabilitation





and incorporation of the distribution systems associated with them. Although no new generating equipment was placed in service in this Division, routine revisions of previous calculations of the capacities of existing stations increased the Division's dependable peak capacity from 294,900 kilowatts in December 1951 to 301,900 kilowatts in December 1952.

Stream-flows and storage conditions in general were much the same as those described for the Southern Ontario System, with the spring freshet occurring in the southern sectors in the first week of April and in the northern sectors two weeks later. Although precipitation was light during the early fall, reservoir levels at the year's end were above normal.

On August 19 lightning struck a 22-kv line out of Coniston Generating Station. The consequent explosion of an oil circuit-breaker caused considerable damage to the building and equipment. The largest of the station's three units was returned to service by October 24.

#### **Load Trends**

The maximum amount of power produced for primary and secondary use by the Division was 290,723 kilowatts, an increase of 4.3 per cent over the 1951 production of 278,674 kilowatts. The 1,950,491,350 kilowatt-hours of energy produced for the Division exceeded last year's production of 1,782,132,143 kilowatt-hours by 9.4 per cent.

Other records established were the primary power requirements of 287,123 kilowatts, which occurred in November, and the annual primary energy requirements of 1,830,487,160 kilowatt-hours. These exceeded last year's records of 266,078 kilowatts and 1,631,055,858 kilowatt-hours by 7.9 and 12.2 per cent respectively. During periods when production exceeded primary requirements, 120,004,190 kilowatt-hours of energy were produced for secondary use in the paper industry, and it was also possible during such periods to transfer energy for advantageous disposal in the Southern Ontario System. Transfers in the reverse direction aided the Northeastern Division during a period of low run-off in November. The net result of these interchanges was the transfer of 105,799,500 kilowatt-hours to the Southern Ontario System.

### **NORTHWESTERN DIVISION**

#### **Operation**

Although no new generating equipment was placed in service in this Division, routine revisions of previous calculations of the capacities of existing stations increased the Division's dependable peak capacity from 257,600 kilowatts in December 1951 to 261,200 kilowatts in December 1952.

The freshet in this Division did not reach normal proportions in 1952 as the snow cover was lighter than usual. Stream-flows and storage conditions were good during the summer months. The deficiency in precipitation which prevailed throughout the Province during the fall affected run-off. By close regulation of storage, however, reservoirs were kept close to normal at the end of the year.

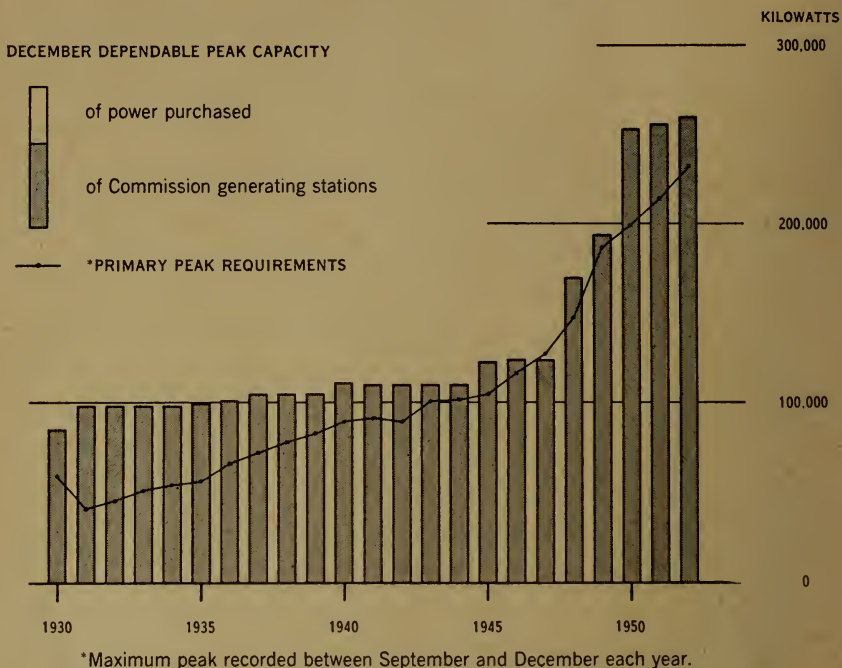
#### **Load Trends**

The Northwestern Division produced a maximum of 255,522 kilowatts in 1952. This was 2.2 per cent higher than the 249,926 kilowatts produced in 1951. The total of 1,775,226,580 kilowatt-hours generated and purchased was also a

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## POWER DEMANDS AND RESOURCES

## NORTHERN ONTARIO PROPERTIES — NORTHWESTERN DIVISION



new record and exceeded the 1,742,928,144 kilowatt-hours generated and purchased in 1951 by 1.9 per cent.

In the Northwestern Division, as in the Northeastern, primary power requirements reached a maximum during the month of November. This maximum of 231,722 kilowatts was 8.3 per cent greater than the previous year's record of 213,920 kilowatts. Energy requirements of 1,491,041,854 kilowatt-hours reached a new high and exceeded the 1951 requirements of 1,415,524,972 kilowatt-hours by 5.3 per cent.

### MAINTENANCE OF THE SYSTEMS

#### Stations

In addition to routine maintenance and inspection of all hydraulic equipment, nineteen turbines were completely overhauled. These included one turbine at each of the "Toronto Power" and "Ontario Power" Generating Stations and two turbines at Sir Adam Beck-Niagara Generating Station No. 1. Also included were two at Alexander Generating Station as part of the program begun in 1951 and reported last year. Turbine runners at Chats Falls and Stewartville were welded under the submerged arc and the argon arc processes without the necessity of dismantling the equipment. These two welding processes, mentioned as being under test in 1951, gave promise of reducing maintenance costs on hydraulic equipment.



The method of dry-cleaning rotating-machine windings by soft-grit blasting was more generally adopted during the year. The ground insulation on most machines receiving a major overhaul was subjected to the most up-to-date tests and the results were an important factor in determining the extent of maintenance required.

Work on inspection and maintenance of equipment, both mechanical and electrical, proceeded on satisfactory schedules. Particular attention was given to the inspection and rehabilitation of major items of equipment being transferred to new locations after several years of service. Four 115-kv oil circuit-breakers and 175 transformers with capacities of 100 kva or greater were reconditioned as part of this program.

Major items of electrical equipment affected by serious failure included one generator, one frequency-changer, two power transformers, and two large voltage regulators.

#### **Lines**

During the year, 4,161 transmission poles and 13,279 distribution poles were replaced. In the Western, West Central, Niagara, and Toronto Regions 719 towers were painted and the resistance of insulators on 292 circuit miles of high-voltage line was measured.



MAINTENANCE SHOP

This installation at Cameron Falls Generating Station shows the large mechanical equipment that is typical in the Commission's maintenance shops.

## FORESTRY

Upon completion of power development projects the Commission seeks to re-establish and maintain the natural beauty of the areas surrounding construction sites. With this end in view a program of reforestation has been undertaken to beautify the Gibson Lake area in the Niagara Region and to reforest lands cleared for construction purposes at the Des Joachims Generating Station and at other power developments.

Approximately 91 acres of land in the Niagara, Eastern, and Northeastern Regions were planted with seedling trees in 1952. Almost 89,000 seedlings were planted, 41,400 in the Niagara, 44,500 in the Eastern, and 3,000 in the Northeastern Region. In the last five years about 389,000 trees have been planted or replaced by the Commission.

The control of brush growth in order to maintain efficient operation of the Commission's transmission lines is in itself a large-scale operation. Some 50,000 acres of rights-of-way, where the control of brush by repeated manual cuttings proved ineffective, can be economically maintained in good condition by the use of chemicals applied by power equipment. During 1952 the area of rights-of-way treated with chemical spray under the new program was nearly 8,000 acres or twice as great as the area treated in 1951.

Treatment of trees and brush cutting also were part of an extensive long-term program of line clearing. This work was undertaken partly by foresters and partly by members of the staffs of the regions.



BRUSH SPRAYING

Chemical control of brush growth involved the treatment of 8,000 acres in 1952.



## SECTION II

### FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission of  
Ontario on Behalf of the Co-operating Municipalities and  
Rural Power District of the  
Southern Ontario System

and to

Northern Ontario Properties Held and Operated  
by the Commission in Trust for the Province of Ontario  
and on Behalf of Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
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The financial statements of The Hydro-Electric Power Commission of Ontario that appear in this section and in Appendix II are divided into two groups as indicated in the table above. This grouping differs from that used in the Report for 1951 as a result of an arrangement with the municipalities of the Thunder Bay System and the Provincial Government (subsequently ratified by legislation) whereby the Thunder Bay System and the Northern Ontario

Properties were merged for financial and administrative purposes on January 1, 1952. These two entities are now known jointly as the Northern Ontario Properties. The segregation of reserves made at the time of the consolidation is reflected in various statements in this Report.

The first group of statements relates to activities in the Southern Ontario System on behalf of its co-operating municipalities and in connection with that part of the Rural Power District associated with the system.

The second group relates to the administration of the Northern Ontario Properties which include facilities held and operated in trust for the Province of Ontario to serve rural and other system customers, and facilities serving the system's co-operating municipalities.

#### **Co-operative Aspects of the Undertaking**

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the Hydro undertaking in supplying electrical service at cost, and to the wholesale and retail aspects of the operation.

#### **Financial Accounts of the Commission**

In this section and its appendix the collective results of the activities of the Southern Ontario System are given first. These include a balance sheet, a statement of operations, and supporting data regarding fixed assets and reserves. The corresponding statements for Northern Ontario Properties follow in the same order. Also in this section are tables showing the funded debt of the Commission and the advances from the Province of Ontario.

#### **Accounts of Cost-Contract Municipal Electrical Utilities**

In addition to accounts of the Commission's collective activities, Appendix II contains tables relating to each municipality's part in the wholesale operations of the Commission.

The statements which present the cost of power supplied by the Commission to co-operating municipalities in the Southern Ontario System and Northern Ontario Properties begin on pages 292 and 320 respectively. The latter group of municipalities were formerly listed under the Thunder Bay System.

The municipalities are billed each month at estimated interim rates. At the end of the year, when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined, the necessary credit or debit adjustments are made. The net refund to municipalities of the Southern Ontario System supplied with power at cost totalled \$1,800,944 in 1952 compared with \$2,417,948 in 1951. The corresponding figures for cost-contract municipalities in the Northern Ontario Properties were \$77,610 for 1952 and \$102,950 for 1951.

Included in the municipalities' remittances to the Commission for the wholesale cost of power is a sinking fund provision on a forty-year basis for the purpose of debt retirement. A table showing the sinking fund equity acquired by each municipality is given in Appendix II.

The ultimate source of all revenue to meet costs—whether for the larger operations of the Commission or for the local operations of the municipalities—is the customer who makes use of the power supplied. Out of the total revenue collected by each municipal utility from its customers for service supplied,



Modern furniture and equipment in an accounting section at Head Office

only an amount sufficient to pay the wholesale cost of power is remitted to the Commission. The balance of municipal electrical utility revenue is retained to pay costs incurred in the distribution of electric energy to its customers.

The balance sheets, operating reports, and statistical data of individual municipal electrical utilities appear in Section VIII under the heading "Municipal Electrical Accounts". An explanatory introduction precedes these statements in Section VIII.

#### Auditing of Accounts

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are kept in accordance with a uniform system of accounting as prescribed by The Hydro-Electric Power Commission of Ontario. Pursuant to the requirements of The Public Utilities Act they are audited by the auditors of the municipal corporation.

#### Southern Ontario System—Operation

Financial operating results were adversely affected by increases in wages, material prices, and interest rates. Operating costs also increased as the result of the growing use of power produced from thermal sources. While thermal generation represented only 0.88 per cent of the total cost in 1951, its increased use brought this proportion to 7.37 per cent in 1952.

The interim rates charged to the co-operating municipalities were not generally increased for the year 1952. Increased costs were partially offset by the withdrawal of \$1,968,659 from the reserve for stabilization of rates



held specifically for the benefit of the Niagara Division, and the withdrawal of \$93,227 from a similar reserve held for the benefit of the Georgian Bay Division. These withdrawals were credited in the costs of these Divisions. Similar action was not necessary in the Eastern Ontario Division principally because of the greater margin in the existing interim rates.

Rural revenues within the Southern Ontario System were \$21,055,739, and operating costs were \$21,030,576. This produced a surplus of \$25,163 as compared with a surplus of \$65,093 for the year 1951.

#### **Northern Ontario Properties—Operation**

The interim rates to municipalities supplied with power at cost were not increased in 1952 as they included a margin that would partially cover the increasing elements of cost. It was necessary, however, to withdraw the sum of \$57,335 from the rates stabilization reserve which had been provided by, and was held for the benefit of, these municipalities.

A rate increase of 15 per cent for industrial customers served under contracts for the account of the Province of Ontario was introduced in July 1951. A corresponding increase of approximately 14 per cent in rates applicable to fixed-rate contracts was introduced in October 1952.

During 1952, however, mounting costs of service largely offset higher revenues from industrial and fixed-rate customers. The 1952 surplus was \$22,485 after appropriating \$549,842 from the reserve for contingencies and obsolescence held for the benefit of the Province of Ontario. This small surplus compares with a loss of \$536,223 in 1951.



New accounting machines installed at Head Office



The cost of conducting rural operations exceeded revenues by \$481,965 during the year.

The balance sheet of the Northern Ontario Properties shows an accumulated deficit of \$2,982,575 for the account of the Province of Ontario.

#### **Summary of Financial Position—All Systems**

Capital expenditures during 1952 amounted to \$162,831,482, of which 60 per cent was on generation, reflecting principally expenditures on Sir Adam Beck-Niagara Generating Station No. 2, and the development of the fuel-electric generation program.

The gross investment in fixed assets amounted to \$1,176,866,092 at December 31, 1952, against which there was an accumulated reserve for depreciation of \$136,717,958.

Included in the gross investment is an amount representing rural assets under administration totalling \$145,469,077. Of this amount, \$71,841,139 has been provided by the Province of Ontario in rural assistance, including \$8,825,973 received in 1952. This assistance, provided by the Province specifically for construction in the Rural Power District, is shown as a deduction from rural assets on each balance sheet.

At December 31, 1952, the assets of the Commission amounted to \$1,193,983,213.

Expenditures on frequency standardization during 1952 amounted to \$36,907,944. At the end of the year inventories of material and equipment for future standardization work stood at \$24,964,938, a reduction of \$1,781,713 from inventories in 1951. The frequency standardization program was financed from internal resources of the Commission.

From the beginning of the frequency standardization program to December 31, 1952, an amount of \$517,032 had been spent on the standardization of rural distribution facilities. All of this amount was recovered from rural revenues.

Bonds totalling \$185 million were issued to provide for capital construction and the reduction of \$25,603,780 in the bank overdraft outstanding at December 31, 1951. A total of \$13,042,973 of capital debt was retired during the year.

Long-term debt outstanding at December 31, 1952 amounted to \$862,291,118, while accumulated sinking funds stood at \$181,512,511.

## THE HYDRO-ELECTRIC POWER

## SOUTHERN

## BALANCE SHEET

## ASSETS

## FIXED ASSETS AT COST:

Power system.....	\$831,663,104	
Administrative and service buildings and equipment.....	18,031,190	
Rural Power District.....	\$125,022,871	
Less assistance for rural construction from Province of Ontario.....	61,696,337	
	<hr/>	63,326,534
	\$913,020,828	
Less reserve for depreciation.....	114,744,533	
	<hr/>	\$ 798,276,295

## FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardiza- tion work.....	\$ 24,964,938	
Cost of completed standardization after charging \$85,296,626 to Reserves and Cost of Power—balance to be written off in future years.....	14,707,585	
	<hr/>	39,672,523

## CURRENT ASSETS:

Working funds.....	\$ 184,840	
Power accounts receivable.....	11,273,614	
Other accounts receivable.....	4,763,210	
Rural Power District grants receivable.....	1,815,606	
Interest accrued on reserve fund investments.....	763,065	
Customers' securities on deposit.....	234,750	
Prepayments and sundry deposits.....	271,204	
Northern Ontario Properties—current account.....	307,890	
	<hr/>	19,614,179

## INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 32,129,449	
Tools and equipment at cost less depreciation.....	7,559,369	
	<hr/>	39,688,818

## DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off....	\$ 10,730,526	
Agreements, mortgages and sundry investments.....	99,975	
Work in progress—deferred work orders.....	5,306,226	
	<hr/>	16,136,727

## RESERVE FUND INVESTMENTS:

Investments in government and government-guaranteed bonds at amortized cost (approximate market value \$90,839,976)		
Held for: Pension fund.....	\$ 33,612,867	
Employers' liability insurance fund.....	4,749,636	
Contingencies and obsolescence and stabilization of rates reserves.....	56,368,265	
	<hr/>	94,730,768
		<hr/>
		\$ 1,008,119,310

NOTE: Effective January 1, 1952 the assets and liabilities of the former Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953.

## Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario, as at December 31, 1952, and the statement of operations for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations are properly drawn up so as to exhibit

## COMMISSION OF ONTARIO

## ONTARIO SYSTEM

AS AT DECEMBER 31, 1952

## LIABILITIES AND RESERVES

## LONG-TERM LIABILITIES (at par of exchange) including

\$21,523,097 maturing in 1953

Funded debt..... \$806,719,000

Less—issued to finance Northern Ontario Properties, a  
separate trust operated by the Commission..... 123,965,000

\$682,754,000

Advances from the Province of Ontario.... \$55,572,118

Less advances for Northern Ontario  
Properties..... 9,611,294

45,960,824

\$ 728,714,824

## CURRENT LIABILITIES:

Bank overdraft (partly secured)..... \$ 1,062,743

Accounts and payrolls payable..... 18,716,765

Customers' deposits..... 692,034

Interest accrued on long-term liabilities..... 5,887,050

Miscellaneous accruals..... 1,721,915

28,080,507

## SPECIAL RESERVES:

Pension fund..... \$ 35,102,639

Employers' liability insurance fund..... 5,130,831

Exchange premium received on funded debt..... 5,491,506

45,724,976

## GENERAL RESERVES:

Contingencies and obsolescence..... \$ 33,830,586

Stabilization of rates..... 23,941,643

Rural Power District—rates suspense..... 2,608,592

Miscellaneous..... 437,687

60,818,508

## SINKING FUND RESERVE:

Represented by funded debt and provincial advances retired  
through sinking funds.....

144,780,495

\$ 1,008,119,310

NOTE: Commitments under uncompleted contracts for the construction of Fixed Assets, approximately \$47,000,000.

a true and correct view of the state of the affairs of the Southern Ontario System of the Commission as at December 31, 1952 (subject to the trusts which prevail in respect thereto), and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,  
June 15, 1953.

CLARKSON, GORDON & CO.  
Chartered Accountants.

## NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

## BALANCE SHEET

## ASSETS AND DEFICIT

## FIXED ASSETS AT COST:

Power system.....	\$181,022,260	
Administrative and service buildings and equipment.....	680,460	
Rural Power District.....	\$20,446,206	
Less assistance for rural construction from Province of Ontario.....	10,144,802	
	<u>10,301,404</u>	
	\$192,004,124	
Less reserve for depreciation.....	<u>21,973,425</u>	
		\$170,030,699

## CURRENT ASSETS:

Working funds.....	\$ 25,490	
Power accounts receivable.....	2,189,804	
Other accounts receivable.....	182,341	
Interest accrued on reserve fund investments.....	38,711	
Customers' securities on deposit.....	1,392,562	
Prepayments.....	<u>7,245</u>	
		3,836,153

## INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,833,591	
Tools and equipment at cost less depreciation.....	<u>860,951</u>	
		2,694,542

## DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 1,690,190	
Account receivable in annual instalments 1953-1989.....	2,032,725	
Work in progress—deferred work orders.....	<u>562,355</u>	
		4,285,270

## RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$2,297,125) held for sinking fund reserve.....		2,342,554
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DEFICIT—Account of the Province of Ontario.....		2,982,575
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\$186,171,793

NOTE: Effective January 1, 1952 the assets and liabilities of the former Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953.

## Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1952, and the statements of operations and deficit for the year ended on that date and have obtained all the information and explanations we have required. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and deficit are properly drawn up



**ONTARIO PROPERTIES**

trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1952

**LIABILITIES AND RESERVES****LONG-TERM LIABILITIES\*** (at par of exchange):

including \$283,462 maturing in 1953

Funded debt..... \$123,965,000

Advances from the Province of Ontario..... 9,611,294

\$133,576,294**CURRENT LIABILITIES:**The Hydro-Electric Power Commission of Ontario—current  
account.....

\$ 307,890

Customers' deposits..... 2,152,714

Interest accrued on long-term liabilities..... 1,138,765

Miscellaneous accruals..... 401,208

4,000,577**SPECIAL RESERVE:**

Exchange premium received on funded debt..... 183,205

**GENERAL RESERVES:**

Contingencies and obsolescence for the benefit of:

Province of Ontario..... \$ 899,208

Municipalities supplied with power at  
cost..... 1,348,526

Northern Ontario Properties..... 8,141,099

\$ 10,388,833

Stabilization of rates for the benefit of:

Province of Ontario..... \$ 748,873

Municipalities supplied with power at  
cost..... 541,9951,290,86811,679,701**SINKING FUND RESERVE:**

Province of Ontario..... \$ 28,220,186

Municipalities supplied with power at cost..... 8,511,830

36,732,016

Represented by—

Funded debt and provincial advances

retired through sinking funds..... \$34,399,269

Sinking fund investments..... 2,332,747

\$36,732,016\$186,171,793

\* The long-term liabilities represent the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario and issued to finance Northern Ontario Properties.

so as to exhibit a true and correct view of the state of the affairs of the Northern Ontario Properties as at December 31, 1952 (subject to the trusts which prevail in respect thereto), and the results of the operations for the year ended on that date, according to the best of our information and the explanations given to us and as shown by the books of the Commission.

Toronto, Canada,  
June 15, 1953.

CLARKSON, GORDON & CO.  
Chartered Accountants.



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS  
for the Year Ended December 31, 1952

	Power system	Rural Power District	Total
	\$	\$	\$
<b>COST OF POWER:</b>			
Cost of power purchased.....	13,102,985		13,102,985
Interchange of power with Northern Ontario Properties.....	301,166		301,166
Operating, maintenance and administrative expenses	24,510,215	6,530,861	31,041,076
Interest (including interest on funded debt and reserves, less interest earned on investments)....	24,147,336	2,146,258	26,293,594
Frequency standardization:			
Interest.....	948,355		948,355
Portion of cost written off.....	6,354,293		6,354,293
Provision for depreciation.....	6,570,514	1,130,611	7,701,125
Provision for contingencies.....	2,424,614	1,405,611	3,830,225
Provision for sinking fund.....	6,743,645	599,312	7,342,957
	85,103,123	11,812,653	96,915,776
Withdrawal from stablization of rates reserve.....	2,061,885		2,061,885
	83,041,238	11,812,653	94,853,891
Cost of power supplied to Rural Power District....	9,217,923	9,217,923	
Total (after withdrawal of \$2,061,885 from stablization of rates reserve).....	73,823,315	21,030,576	94,853,891
<b>AMOUNTS BILLED TO MUNICIPALITIES AND OTHER CUSTOMERS:</b>			
Municipalities at interim rates.....	53,908,607		53,908,607
Rural Power District.....		21,055,739	21,055,739
Companies.....	21,372,752		21,372,752
Local distribution systems.....	342,900		342,900
Total.....	75,624,259	21,055,739	96,679,998
Excess of amounts billed over cost of power (after withdrawal of \$2,061,885 from stablization of rates reserve).....			1,826,107
Credited to municipalities on annual adjustment...	1,800,944		
Credited to Rural Power District rates suspense ...		25,163	

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS  
For the Year Ended December 31, 1952

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
<b>COST OF POWER:</b>	\$	\$	\$	\$	\$
Cost of power purchased.....		46,135	46,135		46,135
Interchange of power with Southern Ontario System.....		301,166	301,166		301,166
Operating, maintenance and administrative expenses.....	740,596	7,056,509	7,797,105		7,797,105
Interest (including interest on funded debt and reserves, less interest earned on investments).....	293,258	6,039,544	6,332,802		6,332,802
Provision for depreciation.....	166,385	1,672,625	1,839,010		1,839,010
Provision for contingencies.....	166,385	467,111	633,496		633,496
Provision for sinking fund.....	87,843	1,821,067	1,908,910		1,908,910
	1,454,467	16,801,825	18,256,292		18,256,292
Cost of power to municipalities supplied at cost.....		1,801,336	1,801,336	1,801,336	
Cost of power supplied to Rural Power District.....	753,904	753,904			
	2,208,371	14,246,585	16,454,956	1,801,336	18,256,292
Withdrawal from stabilization of rates reserve.....				57,335	57,335
Withdrawal from reserve for contingencies and obsolescence.....		549,841	549,841		549,841
Total after deducting withdrawals from reserves.....	2,208,371	13,696,744	15,905,115	1,744,001	17,649,116
<b>AMOUNTS BILLED:</b>					
Municipalities supplied with power at cost (at interim rates).....				1,821,610	1,821,610
Rural Power District.....	1,726,406		1,726,406		1,726,406
Other customers.....		13,719,229	13,719,229		13,719,229
Total.....	1,726,406	13,719,229	15,445,635	1,821,610	17,267,245
Excess or deficiency of amounts billed over cost of power after deducting withdrawals from reserves.....	481,965	22,485	459,480	77,609	381,871
Interest on borrowings to finance deficit account.....			101,699		101,699
Balance.....					483,570
Transferred to deficit account.....			561,179		
Credited to municipalities on annual adjustment.....				77,609	

Statement of Deficit—Account of the Province of Ontario  
For the Year Ended December 31, 1952

Balance at debit January 1, 1952.....	\$ 2,233,152
Add:	
Balance Thunder Bay System Rural Power District deficit at January 1, 1952 transferred.....	208,345
Prior year adjustment.....	20,101
Balance transferred from operating account for year ended December 31, 1952..	561,179
Balance at debit December 31, 1952.....	\$ 2,982,575

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Jan. 1, 1953.....	Jan. 1, 1951(a)	Jan. 1, 1943	3
Nov. 1, 1953.....	.....	Nov. 1, 1948	2½
Mar. 31, 1957.....	.....(e).....	Mar. 31, 1952	3
July 15, 1954.....	.....	July 15, 1949	2½
Nov. 1, 1954.....	.....	May 1, 1950	2½
Apr. 1, 1956.....	.....	Apr. 1, 1947	2
Aug. 1, 1957.....	.....	Aug. 1, 1917	4
June 1, 1958.....	.....	June 1, 1918	4
Dec. 1, 1958.....	.....	Dec. 1, 1918	4
Jan. 1, 1960.....	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 1, 1963.....	Mar. 1, 1961	Mar. 1, 1948	3
July 2, 1964.....	July 2, 1960	July 2, 1948	3
Dec. 15, 1965.....	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966.....	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967.....	Jan. 15, 1965	Jan. 15, 1952	4
Apr. 1, 1967.....	Apr. 1, 1964	Apr. 1, 1947	2¾
Apr. 1, 1967.....	Apr. 1, 1965	Apr. 1, 1949	3
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968.....	Jan. 15, 1966	July 15, 1949	3
Apr. 15, 1968.....	Apr. 15, 1966	Apr. 15, 1952	4
Oct. 1, 1968.....	Oct. 1, 1965	Oct. 1, 1947	2¾
Nov. 1, 1969.....	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970.....	.....	Jan. 1, 1930	4¾
Apr. 1, 1970.....	Apr. 1, 1968	Apr. 1, 1950	3
May 15, 1971.....	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971.....	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972.....	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973.....	June 15, 1971	June 15, 1950	3

Total Funded Debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at December 31, 1951.....  
Transfer of debt in respect of the Thunder Bay System in accordance with The Power Commission  
Amendment Act, 1953.....

Less redemptions during year.....

Add new bond issues during year.....

Outstanding at December 31, 1952.....

Payable in the

Canadian.....  
United States.....  
Canadian, United States, or Sterling.....

(a) Callable at 101. (b) Payable in U.S. funds. (c) Payable in Can., U.S., or Sterling funds.  
(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province  
of Ontario, on behalf of the Commission. (e) \$5 million annually 1953-1957.

## COMMISSION OF ONTARIO

DECEMBER 31, 1952

by the Province of Ontario (except issues marked \*)

Principal outstanding December 31, 1952

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
5,000,000(b)	.....	5,000,000(b)
10,000,000	.....	10,000,000*
25,000,000	.....	25,000,000
5,000,000	.....	5,000,000
15,000,000	.....	15,000,000*
5,106,545	4,893,455	10,000,000
8,000,000(c)	.....	8,000,000(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,500,000	7,500,000
25,490,000	8,910,000	34,400,000
26,280,000	13,620,000	39,900,000
45,000,000	.....	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
10,703,455	4,119,545	14,823,000
11,600,000	32,775,000	44,375,000
35,000,000	.....	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,775,000	43,775,000
50,000,000	.....	50,000,000
13,500,000	5,916,000	19,416,000
38,000,000	11,650,000	49,650,000
11,864,000	.....	11,864,000
48,500,000	5,966,000	54,466,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
14,910,000	4,940,000	19,850,000
48,500,000(b)	.....	48,500,000*(b) (d)
52,000,000	2,900,000	54,900,000
682,754,000	123,965,000	806,719,000

during year ended December 31, 1952

\$549,458,000	\$ 74,820,000	\$624,278,000
44,960,000	44,960,000	.....
\$504,498,000	\$119,780,000	\$624,278,000
1,744,000	815,000	2,559,000
\$502,754,000	\$118,965,000	\$621,719,000
180,000,000	5,000,000	185,000,000
\$682,754,000	\$123,965,000	\$806,719,000

following currencies:

\$574,254,000	\$120,965,000	\$695,219,000
100,500,000	3,000,000	103,500,000
8,000,000	.....	8,000,000
\$682,754,000	\$123,965,000	\$806,719,000



THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
December 1, 1953-1955.....	Serial bonds	4½
January 15, 1953-1957.....	Serial bonds	4½
November 1, 1953-1957.....	Serial bonds	4½
May 15, 1953-1968.....	Annuity bonds	4
May 15, 1953-1970.....	Annuity bonds	4½
January 15, 1953-1971.....	Annuity bonds	4½
June 1, 1953-1971.....	Annuity bonds	4
May 1, 1959.....	Bonds	5
December 2, 1960.....	Bonds	5
Total Advances (at par of exchange).....		

Summary of changes in advances from Province

Balance of advances at December 31, 1951.....	
Transfer of advances in respect of the Thunder Bay System in accordance with The Power Commission Amendment Act, 1953.....	
Less repayments during year.....	
Balance of advances at December 31, 1952.....	

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1952

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1952  
(Payable in Canadian, United States, or Sterling Funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
464,294	107,825	572,119
951,147	228,426	1,179,573
1,676,156	199,163	1,875,319
7,207,757	486,805	7,694,562
5,854,239	1,418,761	7,273,000
3,139,100	771,094	3,910,194
4,027,864	1,486,461	5,514,325
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>45,960,824</u>	<u>9,611,294</u>	<u>55,572,118</u>

of Ontario during year ended December 31, 1952

\$61,541,918	\$ 4,514,173	\$66,056,091
<u>5,664,672</u>	<u>5,664,672</u>	.....
\$55,877,246	\$10,178,845	\$66,056,091
9,916,422	567,551	10,483,973
<u>\$45,960,824</u>	<u>\$ 9,611,294</u>	<u>\$55,572,118</u>

## SECTION III

### THE COMMISSION AND ITS CUSTOMERS

#### Municipal Load Conditions Reviewed—Summary Tabulations for Domestic and Commercial Light Service—Frequency Standardization—Service to Direct Industrial Customers— Lighting Service—Electrical Inspection— Reports from the Regions

AT December 31, 1952, the Commission was supplying electric power to 1,244 municipalities in the Province under provisions of The Power Commission Act.

The municipalities may be divided into four groups according to the method under which they are served.

#### MUNICIPALITIES SERVED BY THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO DECEMBER 31, 1952

Group	Classification	Number
1	Municipalities owning their own distribution systems and served through municipal electrical utilities under:	
	(a) Cost contract.....	318
	(b) Fixed-rate contract.....	11
		329
2	Municipalities served through other municipal electrical utilities.....	5
3	Municipalities, not in the Rural Power District, whose customers are served directly by the Commission.....	33
4	Municipalities in the Rural Power District whose customers are served directly by the Commission on the municipalities' behalf (mainly township areas, but certain towns, villages, police villages, and improvement districts included through special provision).....	877
	Total.....	1,244

#### TYPES OF MUNICIPALITIES SERVED

Cities.....	27
Towns.....	125
Villages.....	152
Police Villages.....	172
Townships—Organized and Unorganized.....	748
Improvement Districts.....	9
Mining Townsites.....	11
Total.....	1,244

The Commission extended its services at numerous points in the Province during the year. Power was made available to residents of Thorah Island in Lake Simcoe through the laying of 1.8 miles of submarine cable. New customers were acquired in the Commission's Eastern Region as a result of the purchase of the transformation and distribution facilities of the Gatineau Electric Light Company, which had served an area comprising Alfred, Hawkesbury, L'Orignal, Vankleek Hill, and the adjacent rural districts.

Extensive additions were made to distribution facilities in a large number of municipalities. The Commission dealt with a number of requests from these municipalities seeking assent to the issue of debentures to cover the capital expenditures involved. Approval was also given to the provision of advance frequency standardization in a group of twelve municipalities.

Revenues of most municipal electrical utilities were sufficient to take care of the costs of operation in spite of rising costs. Only twenty-four municipalities requested approval of increases in retail rates.

#### Load Increase—Group 1 (a)

The following table indicates the increase in loads supplied to municipalities under cost contract:

Average of the Monthly Peak Loads Billed

	1951	1952	Increase	Increase
	kw	kw	kw	per cent
Cities.....	1,075,445.7	1,128,610.2	53,164.5	4.9
Voted Areas.....	147,395.0	175,616.6	28,221.6	19.1
Municipalities (population 2,000 or more)	233,032.3	250,618.0	17,585.7	*7.5
Municipalities (population under 2,000) ..	68,233.4	76,548.9	8,315.5	12.2
Total.....	1,524,106.4	1,631,393.7	107,287.3	7.0

\*Two municipalities formerly in this group are now included in municipalities having a population under 2,000.

Of the 318 municipalities under cost contract, 299 or 94 per cent showed an increase in power requirements. Of the remaining 19 municipalities, 18 showed a decrease and one showed no change.

Through its nine regional offices the Commission made available to the municipalities information and advice upon many aspects of the operation of a local utility. These include engineering, financing of capital expenditures, and the revision of rate structures.

Brief particulars of some of the more important municipal activities in each region are given under "Reports from the Regions" at the end of Section III.



## SUMMARY TABULATIONS AND GRAPHS

The accompanying tables relate to the municipalities served under cost or fixed-rate contracts, and to those served through Commission-owned local distribution systems. Information is given on consumption and cost for domestic and commercial light services for the years 1914 to 1952. The accompanying graphs show average consumption and cost for these municipalities both as a whole and in three groups according to population. For these

DOMESTIC SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 3  
1914 to 1952

Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly con- sumption
	\$	kwh	No.	cents	\$	kwh
1913.....			49,200			
1914.....	730,168	14,359,100	64,866	5.08	1.06	21
1915.....	854,748	20,935,000	85,865	4.08	0.92	22
1916.....	992,628	29,359,900	108,364	3.42	0.82	24
1917.....	1,340,855	41,930,200	131,313	3.20	0.91	29
1918.....	1,583,677	52,731,700	146,885	3.00	0.92	31
1919.....	1,933,577	68,409,100	169,455	2.82	1.01	35
1920.....	2,514,658	98,211,000	193,892	2.56	1.15	45
1921.....	3,086,051	124,619,800	219,465	2.48	1.24	50
1922.....	3,761,172	166,182,000	245,577	2.26	1.34	59
1923.....	4,955,420	242,926,600	286,852	2.04	1.54	76
1924.....	5,548,835	292,608,400	303,787	1.89	1.56	80
1925.....	6,414,134	342,356,700	326,307	1.85	1.67	90
1926.....	7,353,394	404,722,959	349,882	1.81	1.79	98
1927.....	8,497,190	469,851,690	387,573	1.80	1.87	103
1928.....	9,411,812	551,010,035	408,071	1.71	1.97	115
1929.....	10,256,860	612,141,722	424,419	1.67	2.05	122
1930.....	10,752,720	671,028,310	433,260	1.61	2.09	130
1931.....	11,226,091	704,784,457	447,466	1.59	2.12	133
1932.....	11,676,222	740,900,418	452,615	1.57	2.15	136
1933.....	11,639,178	742,195,402	460,878	1.57	2.10	134
1934.....	12,078,069	797,532,709	463,913	1.51	2.17	143
1935.....	12,393,536	826,972,873	471,265	1.50	2.19	146
1936.....	12,922,466	881,972,324	482,557	1.47	2.23	152
1937.....	12,680,921	926,350,703	490,140	1.37	2.16	157
1938.....	12,880,180	1,003,489,453	507,132	1.28	2.12	165
1939.....	13,300,898	1,056,310,109	518,123	1.26	2.14	170
1940.....	13,905,290	1,115,888,837	531,514	1.25	2.18	175
1941.....	14,452,796	1,169,273,964	546,613	1.24	2.20	178
1942.....	15,022,931	1,224,195,712	559,605	1.23	2.24	182
1943.....	15,069,547	1,266,930,625	570,470	1.19	2.20	185
1944.....	15,528,445	1,348,099,019	579,890	1.15	2.23	194
1945.....	16,053,818	1,494,258,124	608,905	1.07	2.20	205
1946.....	17,526,854	1,704,125,246	628,118	1.03	2.32	226
1947.....	18,937,674	1,870,974,898	648,282	1.01	2.43	240
1948.....	20,295,932	2,032,922,876	671,914	0.99	2.51	252
1949.....	21,947,915	2,224,473,480	706,294	0.99	2.59	262
1950.....	29,064,176	2,805,149,825	767,286	1.04	3.15	304
1951.....	32,905,664	3,165,537,195	800,033	1.04	3.43	330
1952.....	36,811,115	3,526,507,079	836,802	1.04	3.67	351

graphs the large voted areas with a population of over 10,000 are included with the cities.

In 1952 the figures are given for 367 municipalities, including 329 in group 1 (See page 30). Statistics for five municipalities in group 2 are included in figures given for the cost-contract municipalities through which they are served. The remaining 33 municipalities are served through local systems.

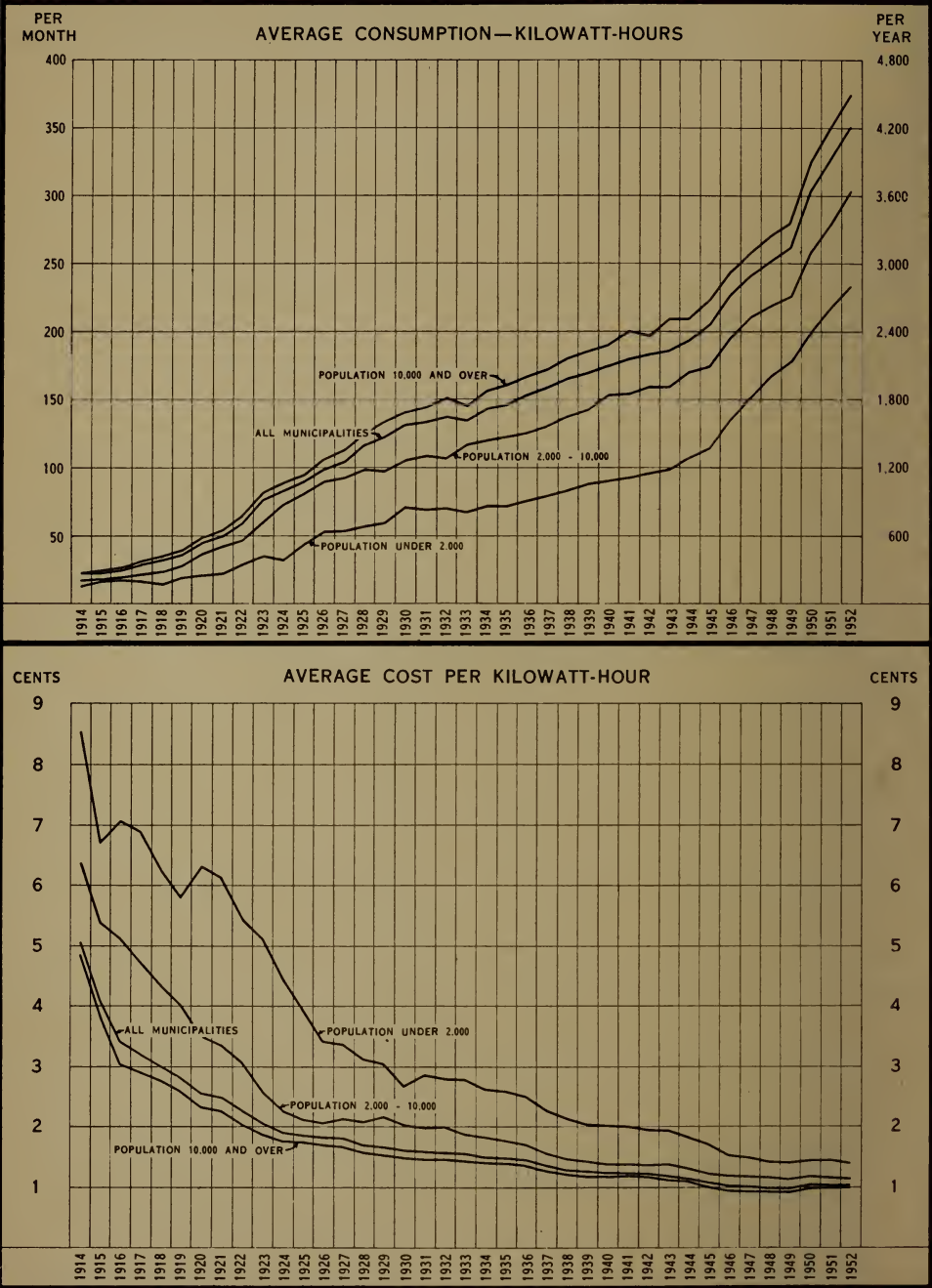
COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES, GROUPS 1, 2, and 3  
1914 to 1952

Year	Total annual revenue	Total energy consumed	Customers	Average cost per kwh	Customer's average monthly bill	Customer's average monthly con- sumption
	\$	kwh	No.	cents	\$	kwh
1913.....			13,113			
1914.....	624,781	15,669,700	15,657	4.00	3.63	91
1915.....	649,585	21,444,900	19,324	3.03	2.95	97
1916.....	753,784	26,866,000	22,216	2.82	2.87	102
1917.....	860,475	31,983,500	27,453	2.69	2.77	103
1918.....	947,769	35,053,500	29,570	2.70	2.70	99
1919.....	1,158,406	47,087,000	33,307	2.46	3.03	123
1920.....	1,477,963	59,336,900	36,496	2.50	3.51	140
1921.....	1,818,211	68,863,500	39,333	2.64	3.98	151
1922.....	2,143,981	81,216,000	43,098	2.64	4.26	162
1923.....	2,613,257	105,482,600	46,383	2.46	4.80	196
1924.....	2,907,427	120,474,800	50,137	2.41	4.99	207
1925.....	3,836,946	151,555,200	56,018	2.54	5.98	235
1926.....	4,176,595	171,797,014	58,444	2.43	6.08	250
1927.....	4,823,781	200,606,137	64,039	2.40	6.39	267
1928.....	5,436,795	234,526,831	68,013	2.32	6.66	287
1929.....	5,893,217	272,343,330	70,106	2.16	7.11	329
1930.....	6,094,871	287,838,022	71,873	2.11	7.15	338
1931.....	6,377,520	305,121,640	75,286	2.09	7.20	344
1932.....	6,402,882	306,596,543	75,705	2.09	7.05	338
1933.....	6,149,792	292,335,489	75,443	2.10	6.79	323
1934.....	6,344,921	306,632,722	75,016	2.07	7.05	341
1935.....	6,601,461	327,413,421	74,884	2.02	7.35	364
1936.....	7,001,893	355,235,553	75,878	1.97	7.69	390
1937.....	6,676,968	393,067,119	76,620	1.70	7.26	428
1938.....	6,909,454	427,020,841	78,021	1.62	7.38	456
1939.....	7,256,262	459,635,100	78,949	1.58	7.66	485
1940.....	7,785,024	508,986,422	79,512	1.53	8.16	533
1941.....	7,991,091	540,995,581	79,824	1.48	8.34	565
1942.....	7,695,928	531,680,336	77,326	1.45	8.29	573
1943.....	6,787,241	472,129,977	76,194	1.44	7.42	516
1944.....	7,298,848	524,905,356	78,256	1.39	7.77	559
1945.....	8,429,573	634,878,480	84,413	1.33	8.32	627
1946.....	9,364,009	725,475,237	89,109	1.29	8.76	679
1947.....	10,277,574	797,642,711	91,926	1.29	9.32	723
1948.....	10,182,051	769,650,340	95,239	1.32	8.91	673
1949.....	10,890,639	819,475,244	98,682	1.33	9.20	692
1950.....	15,231,494	1,080,316,296	107,817	1.41	11.73	832
1951.....	17,549,402	1,254,339,597	111,154	1.40	13.16	940
1952.....	19,502,920	1,394,152,087	115,304	1.40	14.10	1,008

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

DOMESTIC SERVICE

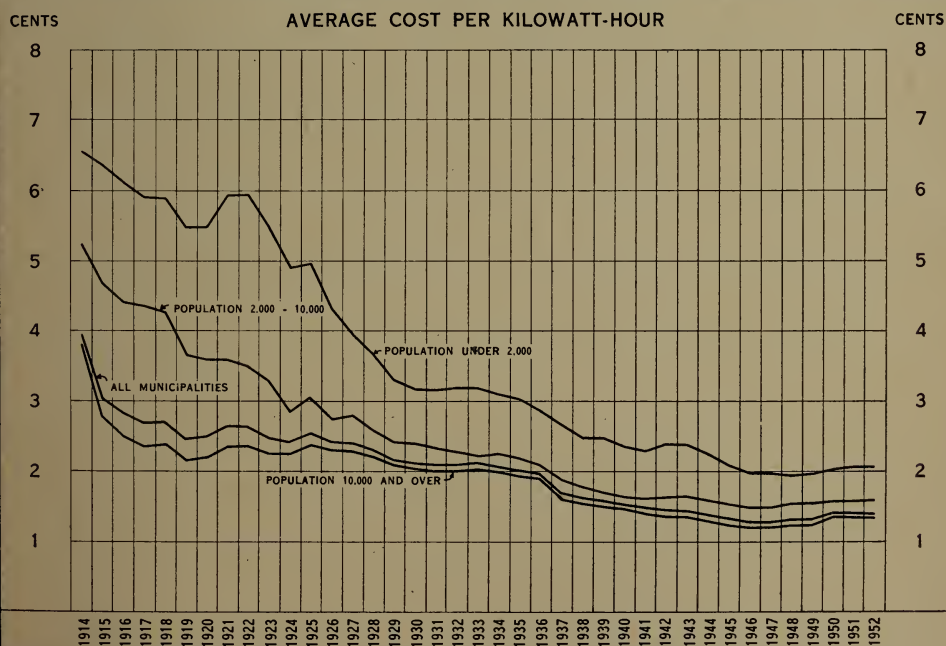
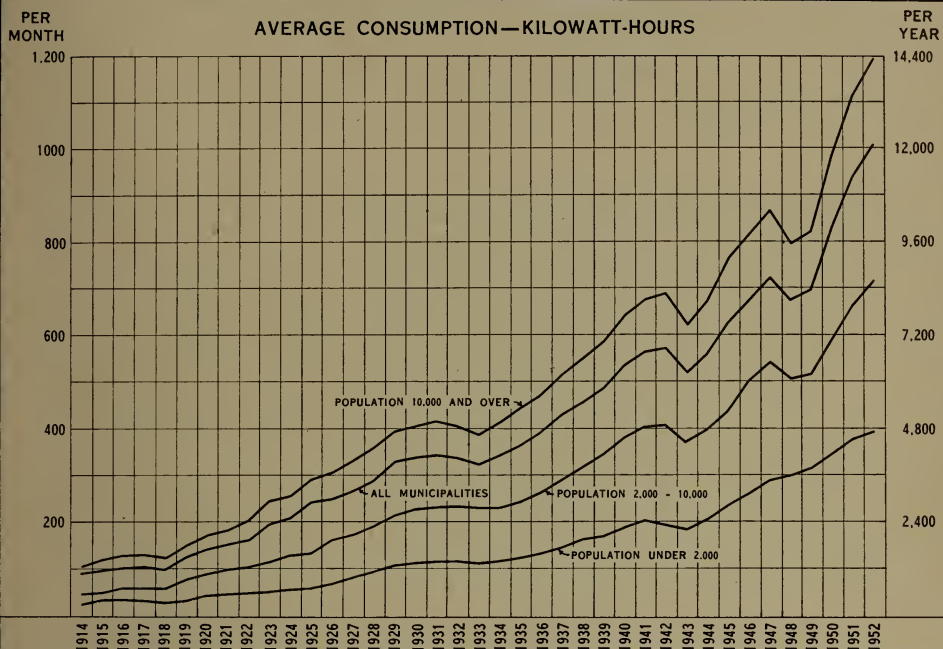
MUNICIPAL ELECTRICAL UTILITIES



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## COMMERCIAL LIGHT SERVICE

MUNICIPAL ELECTRICAL UTILITIES





## FREQUENCY STANDARDIZATION

The geographic area of the "25-cycle island", originally 12,000 square miles in extent, was reduced to less than 7,000 square miles by the end of 1952. However, the growth in population and industry in the Province, combined with the increased use of frequency-sensitive equipment, added substantially to the magnitude and complexity of the standardization operation.

The table below shows the progress of frequency standardization both prior to and during 1952 according to the three classes of customer—domestic, commercial, and power.

### PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF CUSTOMERS

	Customers standardized			Frequency-sensitive items standardized		
	Prior to Jan. 1, 1952	During 1952	Total to Dec. 31, 1952	Prior to Jan. 1, 1952	During 1952	Total to Dec. 31, 1952
Domestic.....	145,288 *16,507 †497	61,795 *12,235 †6,293	242,615	562,416 *30,706 †1,516	282,239 *29,263 †23,560	929,700
	162,292	80,323		594,638	335,062	
Commercial.....	13,280 *1,037 †72	6,632 *55 †737	21,813	87,312 *1,262 †578	51,108 *1,152 †5,738	147,150
	14,389	7,424		89,152	57,998	
Power.....	1,885 *450 †8	1,078 *73 †366	3,860	100,175 *10,279 †1,125	48,797 *10,582 †27,318	198,356
	2,343	1,517		111,579	86,777	
Total.....	179,024	89,264	268,288	795,369	479,837	1,275,206

\*Standardized through local dealers or contractors.

†Standardized through local dealers or contractors under the advance municipal program.

During 1952, 73,186 clocks, fans, and miscellaneous small devices were exchanged for customers at clock and fan depots established in standardization areas. Total exchanges of these appliances to December 31, 1952 numbered 176,103. These items of equipment were not included in the above table.

Experience in 1952 indicated that the total number of customers involved in standardization would be much greater than the number estimated in 1947. Moreover, it was evident that on the average the number of frequency-sensitive items per domestic customer would be nearly double that estimated in 1947. The resultant increase in the volume of work to be done, coupled with increased labour and material costs, will inevitably increase the over-all cost of standardization. However, the benefits to be derived will be increased correspondingly since the same factors govern both costs and benefits.

Every effort is being made to offset increases in the cost of carrying out the frequency standardization program, and methods and procedures are continually being revised with a view to achieving this result. Wherever it was economical to do so, 60-cycle power supply was provided in advance of the normal frequency standardization program in order to supply load growth at the higher frequency and thus avoid the cost of standardization at a later date. Substantial economies have resulted through the adoption of this procedure.

As a further measure of reducing costs manufacturers have been encouraged to make available equipment which will operate at either 25 or 60 cycles. The Commission has negotiated agreements with various manufacturers under which the Commission assumes the added cost of producing dual-frequency equipment, the manufacturer undertaking on his part to make the equipment available to the ultimate user at no added cost. To December 31, 1952 a total of 255,018 dual-frequency lighting ballasts and 92,748 pieces of other dual-frequency equipment had been manufactured and sold under such agreements. At least one manufacturer had completed development of field tests of dual-frequency refrigerator units, and an agreement was negotiated for the manufacture and sale of this equipment. Negotiations are continuing with other manufacturers of similar equipment, as refrigerator units are one of the most costly items in conversion. It is anticipated that appreciable savings in the domestic conversion will accrue from these agreements.



SALVAGING COPPER WIRE

Of 1,000 tons of wire baled and sold during the year, more than half was obtained through the frequency standardization program.

Further economies were effected by the reclamation of 25-cycle motors and other equipment. A total of 42,149 such motors were rewound for 60-cycle operation, 23,135 of them being rewound in the Commission's rewind shop. During the year, 40,728 single-phase watt-hour meters and meters of other types were converted for 60-cycle use. Some 13,000 tons of equipment were salvaged from customers' premises following conversion, of which approximately 6,000 tons were sold as scrap.

## SERVICE TO DIRECT INDUSTRIAL CUSTOMERS

Industrial power customers are normally supplied by municipal electrical utilities or rural operating areas. If, however, a customer cannot be supplied conveniently and satisfactorily through these channels, or if he is located in unorganized territory, he may be supplied as a direct industrial customer of the Commission. In 1952 a total of 200 industrial customers were supplied

in this way. They include mines and paper companies in northern Ontario, and a number of large customers in basic industries in southern Ontario. Two of the Commission's direct industrial customers are export customers taking secondary power.

The following summary of direct industrial customers, grouped according to type of industry, shows for each group the average of the monthly primary peak demands and the kilowatt-hours of primary energy used in 1952:—

**PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL CUSTOMERS, BY TYPES OF INDUSTRY**

Type of industry	Average of the monthly peak loads	Energy used
	kw	kwh
Pulp and Paper . . . . .	183,520.7	1,320,441,423
Mining:		
(a) Gold . . . . .	91,800.2	635,653,733
(b) Silver and Cobalt . . . . .	3,847.9	19,620,982
(c) Base Metals . . . . .	110,206.2	776,603,275
(d) Non-Metals . . . . .	2,599.7	14,789,269
Quarry Cement and Basic Building Materials . . . . .	20,034.3	125,771,574
Steel and Electro-Metallurgical . . . . .	226,398.6	1,209,844,409
Abrasives . . . . .	55,334.6	436,917,521
Chemical, Electro-Chemical, and Cyanamid . . . . .	152,648.4	1,167,930,761
Grain Elevators and Milling . . . . .	8,497.3	37,374,580
Transportation Services and Communications . . . . .	445.9	2,573,700
Government Services and Institutions . . . . .	15,340.3	76,719,513
General Manufacturing . . . . .	55,783.3	278,564,325
Miscellaneous . . . . .	61,166.4	445,977,394
Total . . . . .	987,623.8	6,548,782,459

The pulp and paper plants used 4 per cent more energy in 1952 than in 1951. This increase was due to a small increase in production by customers and to the addition of a number of loads not previously supplied by the Commission.

The amount of energy used by the mining industry increased by approximately 8 per cent; the major part of this increase occurred in the production of nickel and iron ore. The energy supplied to the silver and cobalt mines, while small in total, was 60.3 per cent greater than in 1951. The energy used by the gold mines, however, was down 1.3 per cent as a result of economic conditions affecting the industry.

The steel and metallurgical industries increased their use of energy by 8.0 per cent over 1951. The abrasive industry, on the other hand, showed a decrease of 16.6 per cent.

The chemical industry again increased its use of energy in 1952 by some 5.6 per cent. General manufacturing industries increased their use of energy by 18.7 per cent, chiefly in aircraft and automobile plants.

### INDUSTRIAL SURVEYS

As a service to municipal, rural, and direct industrial power customers, surveys for the purpose of improving power factor were conducted in 71 industrial plants in 1952. An educational program was undertaken with the staffs of



municipal electrical utilities with a view to improving industrial plant efficiencies and reducing distribution system losses.

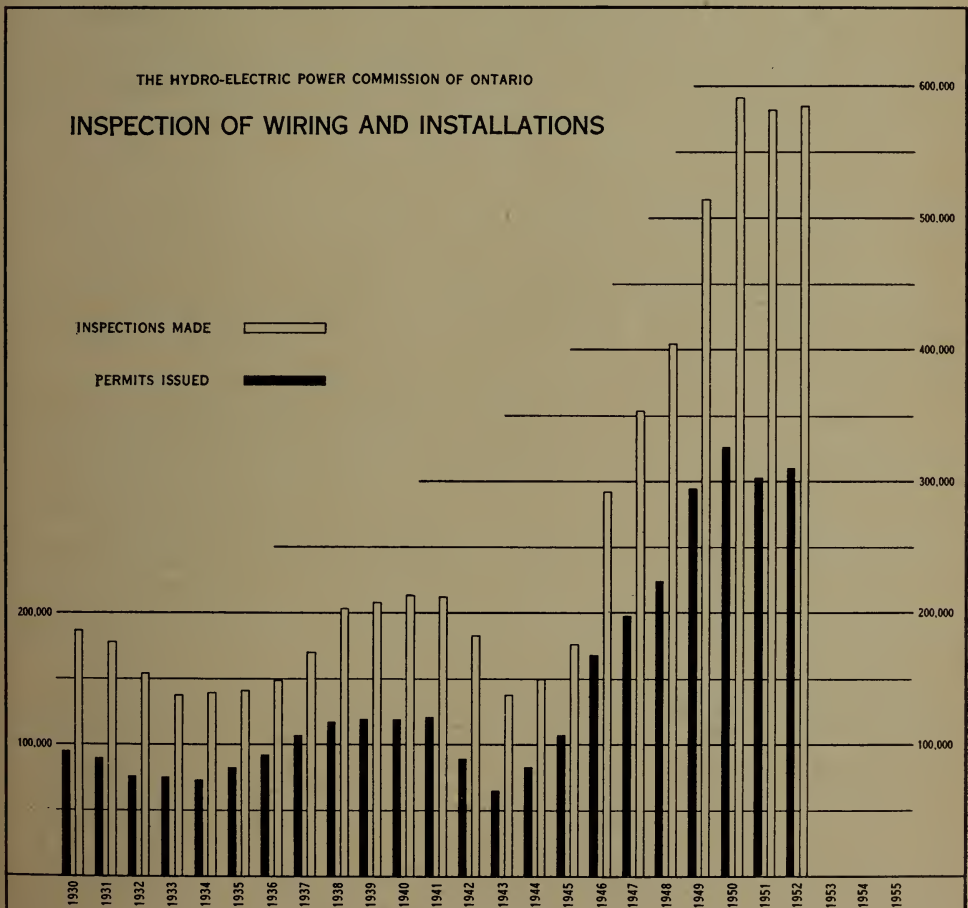
A study of power supply for spot-welding equipment was made as a basis for devising a more satisfactory method of billing this type of service.

### LIGHTING SERVICE

The Commission prepared 357 sets of lighting plans and specifications in 1952. Of this number, 226 were for the purpose of assisting the Ontario Department of Education to provide adequate illumination for schools throughout the Province. The remaining 131 related to lighting for offices, public buildings, industrial installations, sports areas, flood-lighting, and municipal street lighting.

### ELECTRICAL INSPECTION

During 1952, the number of permits issued and inspections made showed a slight increase after the falling off registered last year. The total of permits issued was 2.1 per cent greater and the total of inspections was 0.3 per cent greater than in 1951. There were 1.4 per cent fewer special inspections on electrical equipment not approved by the Canadian Standards Association.







#### MOBILE UNIT SUBSTATION

Installed to provide a temporary supply of 60-cycle power during the frequency standardization operation

Accidents of electrical origin in Ontario claimed the lives of 13 persons according to reports received during the year. Sixteen fires were attributable directly to electrical causes.

In August the Commission published its revised Regulations of The Hydro-Electric Power Commission of Ontario in a convenient handbook edition. These regulations, made under The Power Commission Act, govern electrical installations and equipment.

### REPORTS FROM THE REGIONS RELATING TO MUNICIPAL ACTIVITIES

#### WESTERN REGION

**Beachville**—A new main 4,000-volt, 60-cycle distribution line was constructed from the distributing station to the centre of the village and to the plant of an industrial customer.

**Chatham**—A new \$200,000 addition to the Chatham Public Utilities Commission building was officially opened on May 14, 1952. This addition, together with the old part of the building which has been remodelled, provides adequate up-to-date office accommodation.

**Municipal Station No. 5** on St. George Street, a 3,000-kva, 60-cycle station, was constructed to serve the southeastern industrial area. When frequency standardization in Chatham is complete, the station will also serve the residential section.

**Erieau**—Extensive improvements were carried out on the distribution system in conjunction with the change of distribution voltage from 4,000 to 8,000 volts.

**Erie Beach**—The distribution voltage was changed from 4,000 to 8,000 volts.

**London**—A large section of the street-lighting system was improved by the use of 1,900 luminaires with brackets of modern design.

A new 14-kv underground cable was constructed from London-Nelson Transformer Station to Carling Street Municipal Station.

A 500-kva rectifier station was built to provide service for the London Division of the London and Port Stanley Electric Railway. This will replace 25-cycle rotary converter units.

**Rodney**—The distribution system was rehabilitated in conjunction with a change in distribution voltage from 4,000 to 8,000 volts.



MOBILE FREQUENCY-CHANGER

This unit has a capacity of 500 kva, 2,300-8,000 volts.



**St. Thomas**—An office building and service centre on St. Catharine Street was officially opened on June 23, 1952. This building provides adequate office, stores, and shop facilities.

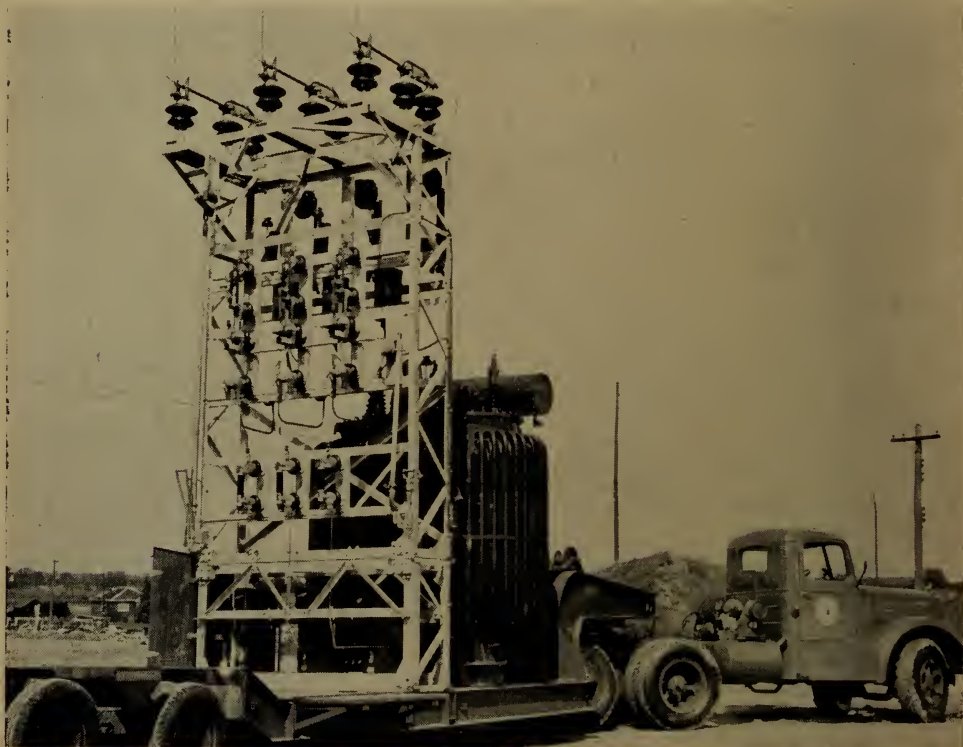
**Sarnia**—The construction and extension of distribution lines were undertaken to provide for the rapid growth of load and to incorporate into the city distribution system that portion of the former Sarnia Township annexed during 1951.

**Thorndale**—Extensive rebuilding of the distribution system accompanied a change in distribution voltage from 4,000 to 8,000 volts.

**Wallaceburg**—A program of frequency standardization of domestic and commercial customers was undertaken by the utility, and the equipment of some 1,200 customers was converted to 60-cycle operation.

**Watford**—A new office, warehouse, and garage building was constructed.

**Windsor**—Sixty per cent of the city of Windsor was converted from 25-cycle to 60-cycle supply. This operation required line construction by the utility at both distribution voltages and at transmission voltage. The Windsor Utilities Commission undertook its own meter conversion.



MOBILE UNIT SUBSTATION

Designed and constructed by the Commission particularly for use during frequency standardization

**Woodstock**—A modern storeroom and garage building was constructed on a lot purchased a number of years ago. This building was part of a project in which it is planned also to include an office building.

A portion of East Oxford Township, including an industrial section, was annexed during the year. The Public Utilities Commission erected a new 600-kva, 60-cycle station in this area, together with the necessary transmission line to handle the load.

#### WEST CENTRAL REGION

**Acton**—Property was acquired and a storeroom and garage building was constructed.

**Ancaster Township**—Electric facilities were extended in five new subdivisions, and sections of the existing distribution system were rehabilitated.

**Brantford**—A modern outdoor-type, 27.6-kv, 60-cycle switching structure was built as the eventual distribution centre for the 27.6-kv loop circuits in the city. Under the advance frequency standardization program, lines and stations were constructed to make 60-cycle supply available to 90 per cent of the power customers of Brantford.

**Brantford Township**—Forty-three modern luminaires were added to the street-lighting system. Extensive rehabilitation on primary distribution line was carried out.

**Brussels**—The primary distribution voltage was changed from 4,000/2,300 volts to 8,000/4,600 volts. In conjunction with this change, additions and improvements were made to the distribution system.

**Burford**—Street-lighting fixtures in the business section were modernized.

**Burlington**—To provide for increased loads, a temporary distributing station was placed in service by The Hydro-Electric Power Commission of Ontario pending the completion of a permanent distributing station in 1953.

Rehabilitation of a section of the existing distribution system was carried out in order to supply a new power customer.

**Caledonia**—The distribution system was extended to serve a new power customer.

**Delhi**—Twenty modern luminaires were added to the street-lighting system. Approximately 1,500 feet of 3-phase, 4,000-volt distribution primary line were installed in order to complete a primary loop.

**Dundas**—Advance frequency standardization was begun. A 600-kva, 60-cycle municipal station was installed to supply an ultimate total of 650 new homes being erected in two new subdivisions. By the annexation of a section of Ancaster Township, approximately twenty new customers were added to the system.





MOBILE DIESEL GENERATOR

This generator is rated at 250 kva, 8,000-2,300 volts and is used to supply temporary power as required during frequency standardization.

**Elmira**—One large and several small industrial customers were supplied with 60-cycle power as part of the advance frequency standardization program. A 2,000-kva, 13.2-4.0/2.3-kv temporary substation was installed.

**Galt**—The frequency standardization of power customers under the advance program was continued in 25 industrial plants. At the end of the year, the 60-cycle load resulting from this program was 3,750 kilowatts. The 27.6-kv, 60-cycle transmission system was extended to supply one temporary municipal substation and two customer-owned substations.

**Guelph**—Under the advance frequency standardization program, 60-cycle power was supplied to nine major industrial customers.

**Hamilton**—Construction was nearly completed for two new substations of 6,000-kva capacity, one on the Mountain and the other in east Hamilton. These will supply the loads in recently annexed areas.

A portion of Barton Township was annexed to the city on May 1, and a section of Ancaster Township on July 1. There were 1,306 customers in these areas.

**Hespeler**—Twenty-two modern luminaires were added to the street-lighting system.

**Kitchener**—One 3,000-kva, 13.2-4.0/2.3-kv, 60-cycle municipal station was constructed. Approximately two miles of 13.2-kv, 60-cycle transmission

line were built and one 3,000-kva, 13.2-4.0/2.3-kv substation was converted from 25-cycle to 60-cycle operation. Approximately 2,300 kilowatts of 25-cycle load were changed to 60-cycle supply under the advance frequency standardization program.

**Paris**—The 4,000-volt distribution line oil-switches in the municipal station were replaced with modern equipment. New bus work and cables were installed.

**Preston**—The two-year program of substation construction was concluded. A new main substation with a capacity of 5,200 kva at 60 cycles was completed. The same building will also include operating headquarters consisting of garage, meter-room, and accommodation for line stores.

Two other municipal substations were also built on the outskirts of the municipality.

**St. George**—Service was extended to a new power customer, and a section of the distribution system was rehabilitated.

**St. Mary's**—A 600-kva, 60-cycle, 13.2-4.0/2.3-kv municipal substation was placed in service. A short section of 13.2-kv, 60-cycle transmission line, including a river crossing, was constructed.

**Simcoe**—Rehabilitation and modernization of Municipal Station No. 1 was completed.



A. W. MANBY SERVICE CENTRE

The motor rewind shop where motors are rewound for 60-cycle operation



**Stoney Creek**—Electric facilities were extended into four new areas.

**Stratford**—Standardization of frequency at 60 cycles was completed in the early part of the year. Following this work, it became necessary to make a number of changes in primary distribution lines and also in the number and location of distribution transformers.

**Tavistock**—A program of rehabilitation of the distribution system was continued. Equipment was placed in readiness for the installation of a high-frequency control for flat-rate water-heaters.

**Waterdown**—The distribution system in the eastern section of the municipality was rehabilitated and extensions were made to supply new residences.

**Waterloo**—Five 60-cycle load centres were established, and the necessary lines were provided for distributing 60-cycle power under the advance frequency standardization program. The total 60-cycle load at December 31, 1952 was 700 kilowatts.

#### NIAGARA REGION

**Chippawa**—Increases in demand made it necessary to enlarge the capacity of the substation serving this municipality from 450 to 1,500 kva.

**Port Colborne**—The municipalities of Port Colborne and Humberstone were amalgamated in 1952 and became known as Port Colborne. The two electrical utilities involved were also amalgamated and now operate under the name of the Port Colborne Hydro-Electric Commission.

**Stamford Township**—A new 2,700-kva, 60-cycle substation was constructed on Sinnicks Avenue.

**Thorold**—A new customer-owned 60-cycle substation was placed in service.

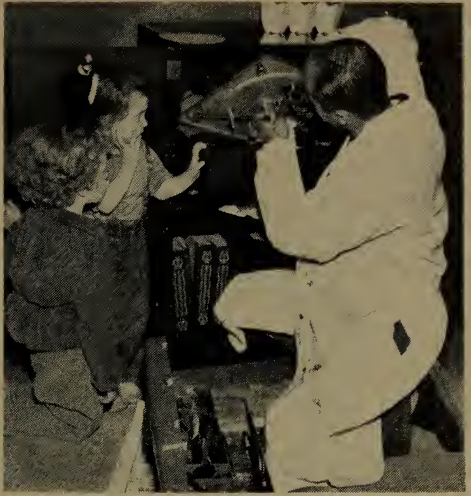
**Welland**—A temporary 60-cycle substation was installed to facilitate the advance frequency standardization program in the municipality.

#### TORONTO REGION

**Bolton**—The distribution voltage was changed from 4,000 to 8,000 volts during March 1952.

**Bronte**—The first Public Utilities Commission was elected to take office on January 1, 1953.

**Etobicoke Township**—Service was extended to one new 26.4-kv industrial customer; and three new municipal stations, Brown's Line, West Islington, and Allenby, were placed in service during the year. Approximately 2,950 new customers were added during the year.



FREQUENCY STANDARDIZATION OF ELECTRICAL APPLIANCES IN THE HOME

Left: A washing-machine

Right: A combination radio and record-player

**Forest Hill**—Work was carried out under the advance frequency standardization program to supply at 60 cycles certain new customers in this municipality.

**Long Branch**—Frequency standardization was completed early in 1952.

**Markham**—The capacity of the distributing station supplying the municipality was increased from 600 to 750 kva.

**Mimico**—The transformer at Municipal Station No. 1 was increased in capacity from 1,500 to 2,700 kva when it was rewound for 60-cycle operation. The installation of a new 2,500-kva transformer brought the capacity of this station to 5,200 kva.

**Georgetown**—Modern street lighting was installed on No. 7 Highway from the eastern boundary to a point about halfway through the town.

**Milton**—A fourth-wire water-heater control system was placed in service during the year, and the street-lighting system in the business section was modernized.

**Newmarket**—The capacity of the Commission's Distributing Station No. 1 was increased from 1,500 to 2,850 kva. A large industrial customer upon increasing his demand began taking power at 27.6 kv.

**New Toronto**—A new municipal substation of 3,000-kva capacity, located on Sixth Street, was placed in service during the year.

Frequency standardization in the municipality was completed.

**North York Township**—Two new industrial customers were supplied and two new municipal substations, Glen Park and Oriole, were placed in service during the year. The transformers at the Bayview and Dayton Municipal Stations were rewound for operation at 60 cycles and were increased in capacity from 1,875 kva to 3,300 kva and 3,350 kva respectively.



Frequency standardization was begun, and by the end of the year approximately half of the municipality was standardized. Nearly 3,800 new services were connected during the year.

**Oakville**—A temporary municipal substation was replaced by a new 3,000-kva distributing station to supply the north end of the town.

**Port Credit**—The distributing station supplying power to Port Credit was increased in capacity from 1,690 to 3,000 kva.

Frequency standardization was completed during the year.

**Richmond Hill**—As a result of the annexation of approximately 1,000 acres, approved by the Municipal Board in 1952, the municipality took over 270 customers formerly served by the rural operating area.

The distributing station supplying the municipality was increased in capacity from 1,500 to 2,850 kva.

**Scarborough Township**—An inspection office was opened in the municipal building of Scarborough Township to serve an area that had been subject to rapid industrial and residential expansion. Ten new industrial customers taking power at 27.6 kv were served during the year, and approximately 2,750 new customers were added.

The new Waterworks Municipal Station was placed in service.



WATT-HOUR METER TESTING

Over 40,000 single-phase watt-hour meters and meters of other types were converted for 60-cycle use during 1952.

**Stouffville**—The municipality voted in favour of forming a three-member Public Utilities Commission.

**Streetsville**—The capacity of a station belonging to an industrial customer taking power at 27.6 kv was increased from 225 to 750 kva.

**Swansea**—The transformer at Municipal Substation No. 1 was rewound for operation at 60 cycles and its capacity was increased from 1,875 to 3,375 kva.

**Toronto**—Work proceeded under the advance frequency standardization program to establish 13.2-kv, 60-cycle power at a number of substations. The low-voltage, 60-cycle network was expanded to take care of growth in load. Some street lighting was converted to 60-cycle operation.



TORONTO—Office building of The Toronto Hydro-Electric System



Initial steps were taken to develop a plan for system-wide distribution of 60-cycle power. The purpose was to make this power available to customers who move into 25-cycle areas after their equipment has been converted to 60-cycle operation.

The total load supplied by the system at 60 cycles increased from 20,760 kilowatts in 1951 to 50,600 kilowatts in 1952.

**Toronto Township**—Mineola Municipal Substation was placed in service and a new customer-owned substation was supplied at 27.6 kv. The utility added 1,171 new customers in 1952.

**Trafalgar Township**—The distribution system in the east half of Trafalgar Township was changed from 2,300-volt delta to 4,000/2,300-volt operation.

**Weston**—Advance frequency standardization of two large industrial plants proceeded, and work in another plant was completed.

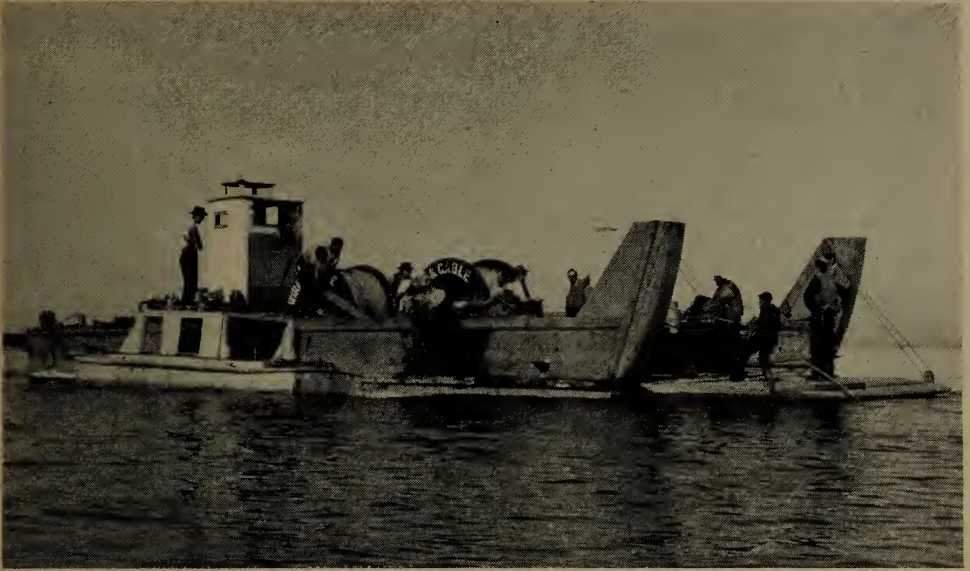
#### GEORGIAN BAY REGION

**Bradford**—The capacity of the distributing station was increased from 600 to 2,000 kva. Modern street-lighting standards were installed on Holland Street.

**Chesley**—The distributing station was changed from 750- to 2,000-kva capacity.



The central garage at the A. W. Manby Service Centre in Islington



LAYING SUBMARINE CABLE TO THORAH ISLAND

Service to residents of this island in Lake Simcoe was provided by a 2-mile length of cable operated at 4,800 volts.

**Gravenhurst**—A temporary 2,000-kva distributing station was installed at Gravenhurst. This increased the station capacity from 1,200 to 3,200 kva.

**Hanover**—The distributing station was changed from 1,500- to 3,000-kva capacity and relocated nearer to the load centre. A fourth-wire control system was installed on the water-heater load.

**Huntsville**—The distribution voltage was changed from 2,300-volt delta to 4,160/2,300-volt operation. The capacity of the distributing station was increased from 1,500 to 3,000 kva.

**Owen Sound**—The capacity of the West Side Municipal Station was increased from 3,000 to 6,000 kva. In conjunction with this increase, additional oil circuit-breakers were installed for both transformers and distribution lines.

**Sundridge**—The municipality purchased the local distribution facilities from the South River Electric Company and power was supplied by the Commission under a cost contract on June 6, 1952. Included in the extensive rehabilitation carried out was the change of the distribution system from 2,300-volt operation to operation at 12.5/7.2 kv.

**Thornbury**—The distribution system was changed from 2,300-volt delta to 8,000/4,600-volt operation, and extensive rehabilitation work was carried out.

**Uxbridge**—The capacity of the distributing station was increased from 600 to 2,000 kva. Modern street-lighting standards were installed on the main street.

**Wingham**—A water-heater control system of the fourth-wire type was installed.



## EAST CENTRAL REGION

**Frankford**—The major part of a rebuilding program was completed in preparation for changing the distribution system from 2,400 to 8,000/4,600-volt operation.

**Kingston**—The construction of a 3-phase distribution line to supply the annexed area at the west end of the city was undertaken. The conversion of substations and lines to a grounded distribution system was also begun.

**Lindsay**—A new 3,000-kva substation was constructed and placed in service to serve the growing loads in the municipality.

**Oshawa**—The construction of a new 44-kv line to serve a large industrial customer was undertaken.

**Stirling**—New primary distribution lines were erected to distribute the load from the municipal station placed in service last year.

**Trenton**—A new 44-kv line and a substation were constructed to supply the eastern section of the municipality. A new 6,600-volt line was also completed to serve the western part of the town.

## EASTERN REGION

**Alexandria**—A new distributing station of 2,000-kva capacity was constructed to replace a 600-kva distributing station. Two new primary distribution lines were erected to supply increasing load in the municipality.

**Alfred**—On June 1, the Commission began to supply power to the village of Alfred through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date.

**Almonte**—The voltage on the sub-transmission circuit supplying the municipality was changed from 33 to 44 kv during the early part of the year. Minor changes in the municipal substation followed.

**Cardinal**—By the end of 1952 about 50 per cent of a rehabilitation program was complete. The program involves the rehabilitation by stages of the municipal distribution system.

**Casselman**—Under an agreement with the Commission, power was supplied to the village on December 23, 1952 to replace that formerly obtained from a privately-owned generating station. The distribution system was rehabilitated and changed from 2,400-volt to 8,000-volt operation.

**Eganville**—On April 10, the municipality took power for the first time under a cost contract with the Commission to supplement municipal generating facilities which had proved inadequate to meet increases in load.

**Finch**—Modern street-lighting luminaires were installed to replace radial wave units. Rehabilitation of the distribution system was also carried out.

**Hawkesbury**—The local distribution system in the town of Hawkesbury was purchased by the Commission on June 1, 1952 as part of the assets of the Gatineau Electric Light Company and power was first supplied to the municipality by the Commission on that date.

**L'Orignal**—On June 1, the Commission began to supply power to the village of L'Orignal through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date. In October L'Orignal voted in favour of power being supplied by the Commission under a cost contract.

**Maxville**—A new 600-kva distributing station was placed in service to supply the village.

**Merrickville**—A new power circuit was constructed to serve four of the larger manufacturing firms in the municipality.

**Perth**—Extensive rehabilitation of the distribution system was carried out in 1952. The main undertaking was the enlarging of the capacity of the primary distribution lines.

**Renfrew**—A temporary distributing station was installed to serve a new manufacturing plant. The distribution system and generating station were being changed from a 2-phase, 4-wire to a 3-phase grounded system. To facilitate this operation, another temporary distributing station was installed to supply 4,000-volt power to the municipality.

**Richmond**—A change to 3-phase supply and other changes in the distribution system were made in order to serve the new County High School.

**Rockland**—This municipality, a customer of the Gatineau Power Company, voted in December 1952 to obtain a supply of power from the Commission under a cost contract.

**Smith's Falls**—A temporary transformer bank was installed at Distributing Station No. 1 to facilitate the change in supply voltage from 26.4 to 44 kv.

**Vankleek Hill**—On June 1, the Commission began to supply power to the village of Vankleek Hill through the local distribution system, which was part of the assets purchased from the Gatineau Electric Light Company on that date. In August the municipality voted in favour of obtaining a supply of power from the Commission under a cost contract.

#### NORTHEASTERN REGION

**Cochrane**—The municipality became a customer of the Commission on December 21, 1952. Power was supplied at 115 kv to the municipal substation.

**Hearst**—The distribution system was rehabilitated and changed from 2,300-volt delta to 4,000/2,300-volt operation, including the necessary substation changes for a grounded system.

**Kapuskasing**—An agreement was signed with the Commission for a supply of power, and new retail rates were established.

**Massey**—On December 18, 1952, the Commission began to supply power to the municipality through the local distribution system purchased as part of the assets of Lloyd Deagle and Co. The system was rebuilt for 12.5/7.2-kv operation.

**Sturgeon Falls**—A new 2,000-kva substation was constructed together with three new distribution lines in the town. The distribution system was altered from 2,300-volt delta to 4,000/2,300-volt grounded operation.

**Sudbury**—The Commission's power supply to Municipal Stations No. 2 and 3 was changed from 22-kv to 44-kv operation. The capacity of substation No. 2 was increased from 8,000 to 10,000 kva.

**Webbwood**—The local distribution system was purchased by the Commission as part of the assets of Lloyd Deagle and Co. and was rebuilt for 12.5/7.2-kv operation. Power was supplied to the municipality by the Commission on December 11, 1952.

#### NORTHWESTERN REGION

**Improvement District of Atikokan**—The station serving this municipality was increased from 1,000 to 2,000 kva. The transmission lines to the municipality were also greatly extended.

**Fort William**—A second unit-type distributing station added at the Hardisty Street Station increased the capacity at this point from 4,000 to 8,000 kva.

**Geraldton**—The distribution voltage in this municipality was changed from 4,000/2,300 volts to 12,000/6,900 volts. The transformer bank serving the municipality and adjacent rural area was increased from 750 to 2,000 kva.

**Port Arthur**—Orders were placed for equipment for a 4,000-kva, unit-type substation to be located in the industrial area between Port Arthur and Fort William.

**Improvement District of Red Rock**—The distribution system was enlarged to supply power to a housing development required by the expansion of the St. Lawrence Corporation.

**Schreiber Township**—The distribution system was extended to include the Walker Lake subdivision. This extension made service available to all residents within the municipality.



## SECTION IV

### RURAL ELECTRICAL SERVICE

#### Extension of Service—Status of Rural Electrical Service— Load Growth—Capital Investment

THE extension of the benefits of electric power to rural Ontario continued to be an important feature of the Commission's activities throughout 1952. At the end of the year the Commission had 343,537 rural customers and 40,277 miles of primary distribution lines. During 1952 the net increase in the number of customers, after making allowance for transfers between rural operating areas and municipal electrical utilities, was 24,931 or 7.8 per cent. The net increase in the mileage of primary distribution lines was 2,079 miles or 5.4 per cent.

These increases were lower than those recorded in recent years. Nevertheless, the net increase in the number of customers in 1952 was greater than in any year prior to 1948, and in itself represents a notable achievement.

Three new rural operating areas were established in 1952, bringing the total to 106 areas. Vankleek Hill Rural Operating Area was added to the Eastern Region, Algoma Rural Operating Area to the North-eastern Region, and Geraldton Rural Operating Area to the Northwestern Region. The first of these became one of 92 areas served through the Southern Ontario System while the other two increased to 14 the number of areas associated with the Northern Ontario Properties. The total number of rural municipalities served through the Commission's rural operating areas increased by 58 to reach 877 at the end of 1952.



ADEQUATE AND SAFE WIRING

A demonstration by a Hydro farm service adviser

#### Status of Rural Electrical Service

Of the Commission's rural customers, 311,835 or about 91 per cent were served through distribution facilities of the Southern Ontario System. Of these, 120,743 or about 39 per cent were farm service customers, while the remainder were hamlet, commercial, summer, or industrial power service customers. The Southern Ontario System serves an area of about 48,000 square miles in which the great majority of Ontario's citizens, rural as well as urban, live and work.

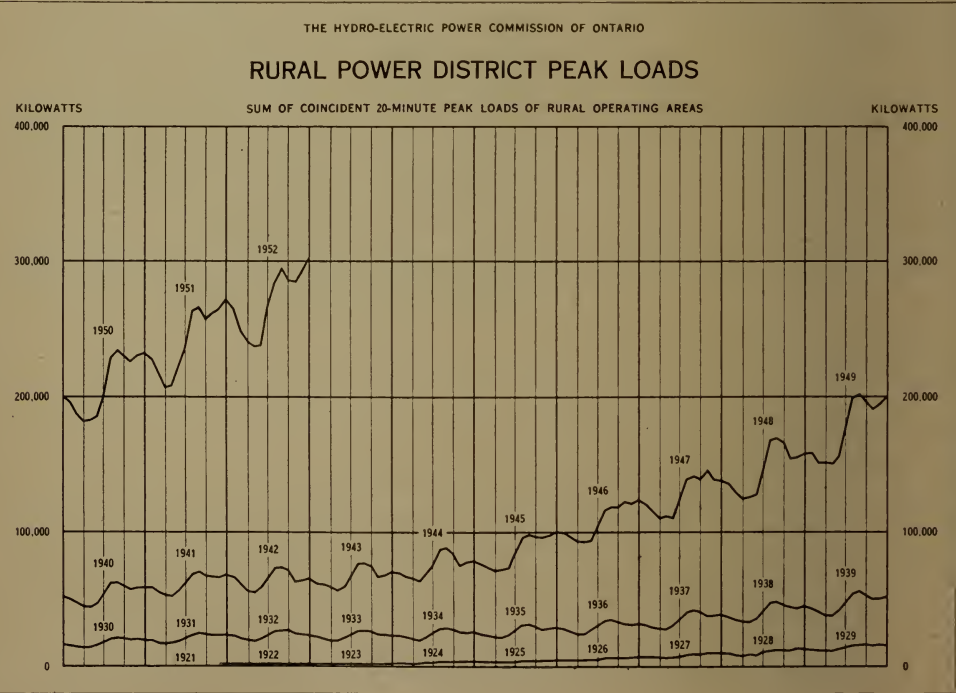


RURAL POWER DISTRICT  
NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF  
CUSTOMERS DURING 1952

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commer- cial	Summer	Power	Total
SOUTHERN ONTARIO							
Western.....	156.92	679	2,121	729	145	21	3,695
West Central.....	88.16	609	1,173	490	185	5	116
Niagara.....	38.75	126	1,486	225	76	6	1,919
Toronto.....	59.36	158	1,584	358	46	27	2,173
Georgian Bay.....	405.50	1,028	999	618	1,851	12	4,508
East Central.....	299.78	768	9	598	1,425	9	2,773
Eastern.....	268.48	1,255	1,457	742	538	21	4,013
Total.....	1,316.95	4,623	6,465	3,760	4,266	83	19,197
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	523.07	1,010	2,028	495	568	18	4,119
Northwestern.....	239.48	384	609	199	412	11	1,615
Total.....	762.55	1,394	2,637	694	980	29	5,734
Total—All systems.....	2,079.50	6,017	9,102	4,454	5,246	112	24,931

Italic figures indicate net decrease.

The northern part of Ontario, on the other hand, is sparsely settled. Much of it forms part of the Laurentian Shield, a vast expanse of rock, small lakes, streams, and forests. Only about one-quarter of one per cent of its land area of 310,000 square miles is cleared farm land. In this part of the Province in 1952 the Commission served, through the Northern Ontario



Properties, 31,702 rural customers of whom 8,708 or 27 per cent were farm service customers. By means of primary distribution line totalling 4,476 miles within the boundaries of the Commission's fourteen rural operating areas, a large proportion of the farms in northern Ontario was being served. Here, as in southern Ontario during the early years of rural electrification, the development of urban areas tended to accelerate the extension of rural service. During 1952 more than 36 per cent of the increase in the Commission's rural line mileage was in northern Ontario.

In 40 of Ontario's 54 counties and districts, 80 per cent or more of the farms were being supplied with electrical service at the end of 1952. In 21 of these, the proportion being served was 90 per cent or greater.

#### **Load Growth**

The Commission's 129,451 farm service customers used 468,478,642 kilowatt-hours in 1952, an increase of 57,756,321 kilowatt-hours over the total for 1951. While part of this increase resulted from the addition of new customers, a substantial part was attributable to an increase in consumption per customer.

Energy consumption by all rural customers, including power service customers, amounted to 1,108,302,775 kilowatt-hours. Reference to the table on page 58 will show that hamlet service, like farm service, showed substantial increases in both number of customers served and average consumption per customer. While there was a 22 per cent increase in the number of commercial service customers, average consumption declined 5 per cent. The total of summer service customers was also higher in 1952 than in 1951 but average energy consumption was little changed.



**FARM EQUIPMENT**

Portable elevator for storing baled hay

The table below also shows that the average cost per kilowatt-hour for farm, hamlet, and commercial services was slightly lower than in 1951. For farm service this average cost was 1.92 cents, for hamlet service 1.98 cents, and for commercial service 1.95 cents. By comparison with the corresponding average costs per kilowatt-hour in 1944, these 1952 costs were 9, 16, and 14 per cent lower. For summer service alone the average cost per kilowatt-hour has tended to increase and in 1952 it was 4.53 cents, or slightly higher than in 1951.

**RURAL SERVICE SINCE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND  
NEW CLASSIFICATION, JANUARY 1, 1944**

Service	Year	Annual revenue	Energy consumption	Number of cus- tomers	Average cost per kwh	Average monthly bill	Average monthly consump- tion
		\$	kwh	No.	cents	\$	kwh
Farm service . . . . .	1944	2,396,508.94	113,706,660	59,639	2.11	3.53	167
	1945	2,606,431.15	137,194,727	65,141	1.90	3.48	183
	1946	3,072,921.16	176,460,859	72,285	1.74	3.72	214
	1947	3,430,307.61	206,420,795	78,668	1.66	3.79	228
	1948	3,942,730.96	242,291,332	87,530	1.63	3.95	243
	1949	4,508,978.00	275,946,330	102,051	1.63	3.96	243
	1950	7,441,437.92	403,018,641	114,724	1.85	4.90	266
	1951	8,097,710.92	410,722,321	123,434	1.97	5.67	287
	1952	9,017,321.17	468,478,642	129,451	1.92	5.95	309
Hamlet service . . . . .	1944	1,937,102.28	82,106,734	56,130	2.36	2.95	125
	1945	2,027,283.82	92,056,781	58,867	2.20	2.93	133
	1946	2,345,531.81	118,287,655	66,177	1.98	3.12	158
	1947	2,754,265.69	150,411,043	74,879	1.83	3.24	178
	1948	3,279,149.63	185,225,412	85,598	1.77	3.40	192
	1949	3,552,600.42	200,875,642	94,852	1.77	3.28	186
	1950	5,712,108.72	302,905,040	114,592	1.89	3.90	207
	1951	6,380,808.20	314,271,957	124,091	2.03	4.45	219
	1952	7,253,640.00	366,600,438	133,193	1.98	4.71	238
Commercial service . . . . .	1944	341,646.50	15,010,213	8,262	2.28	3.51	154
	1945	381,570.09	18,915,619	8,870	2.02	3.72	184
	1946	468,391.94	25,069,924	10,315	1.87	4.07	218
	1947	572,625.58	33,304,037	11,851	1.72	4.30	250
	1948	706,949.62	41,665,764	13,589	1.70	4.63	273
	1949	1,147,167.71	69,458,813	18,439	1.65	5.97	361
	1950	2,083,696.71	113,039,553	18,749	1.84	8.00	434
	1951	2,284,851.74	115,121,444	20,110	1.98	9.80	494
	1952	2,457,032.13	125,932,132	24,564	1.95	9.11	470
Summer service . . . . .	1944	435,622.43	11,859,662	19,291	3.67	1.93	53
	1945	473,887.53	14,250,142	20,947	3.33	1.96	59
	1946	555,833.10	18,352,748	24,244	3.03	2.05	68
	1947	632,102.22	21,116,561	27,182	2.99	2.04	68
	1948	722,951.54	24,440,522	31,088	2.96	2.07	70
	1949	855,107.11	28,038,463	37,313	3.05	2.08	68
	1950	1,376,606.36	32,307,669	43,735	4.26	2.81	66
	1951	1,616,368.92	36,705,187	49,913	4.40	2.86	65
	1952	1,826,359.64	40,319,422	55,159	4.53	2.90	64

The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

Industrial power customers and customers taking special services are not listed.

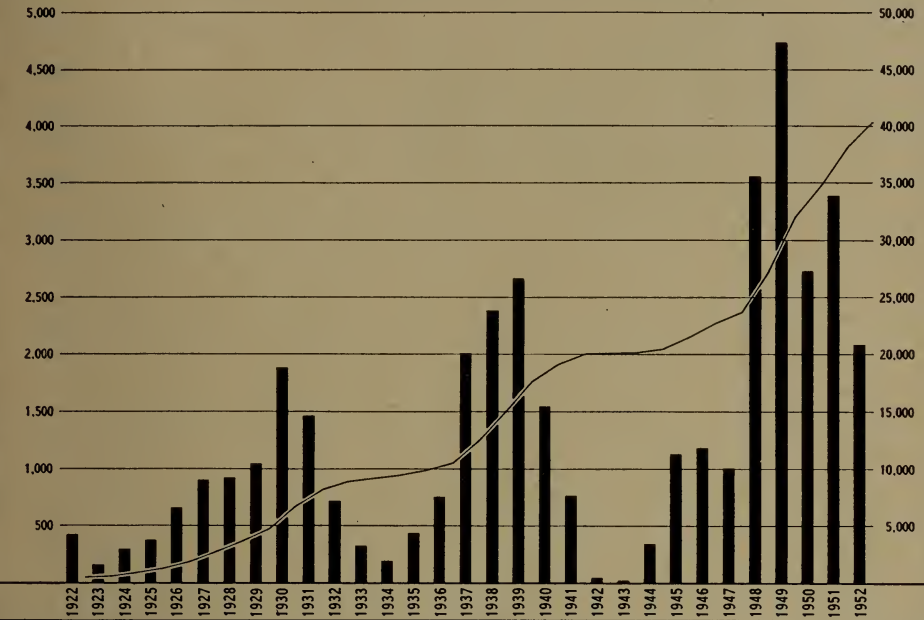


## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

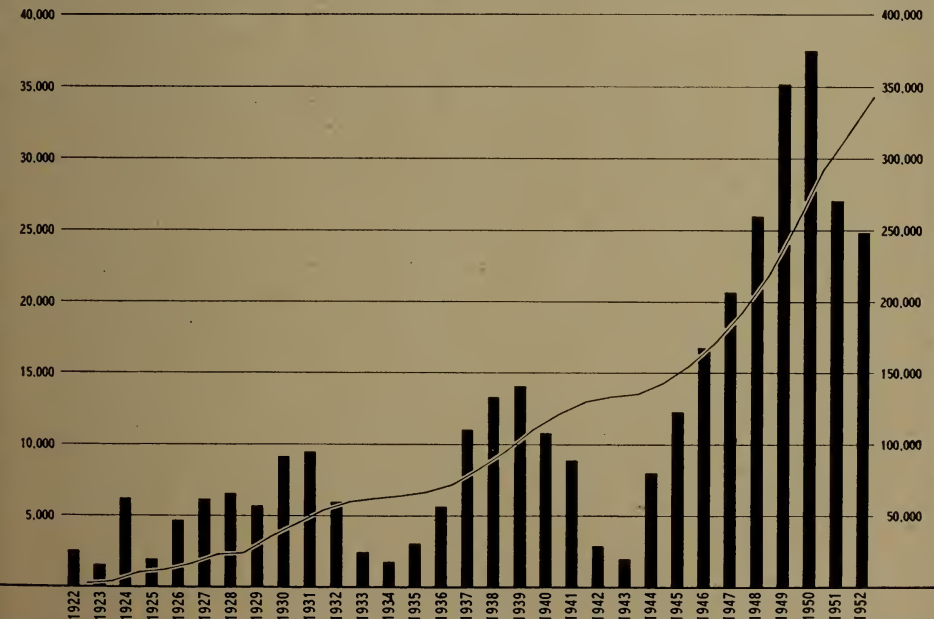
## RURAL POWER DISTRICTS

MILES BUILT  
IN YEAR

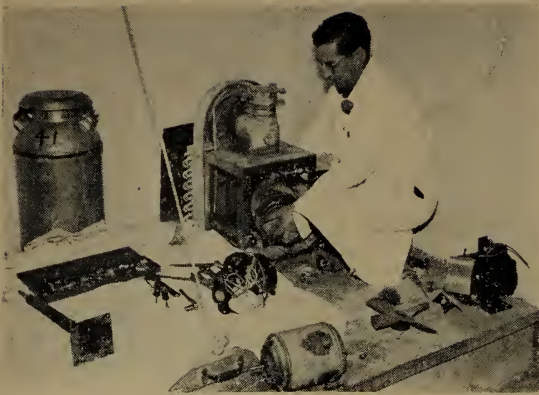
## MILES OF PRIMARY LINE CONSTRUCTED

TOTAL MILEAGE  
IN USE AT  
END OF YEARCUSTOMERS  
ADDED  
IN YEAR

## NUMBER OF CUSTOMERS RECEIVING SERVICE

TOTAL CUSTOMERS  
SERVED AT  
END OF YEAR





FREQUENCY STANDARDIZATION ON THE FARM  
The conversion of a milk-cooler to 60-cycle operation

Capital Investment

During 1952, the net increase in fixed assets representing rural distribution facilities amounted to \$18,241,932. The Provincial Government's grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric Distribution Act, was \$8,825,973. The net increase during the year brought the total capital investment in rural distribution facilities to \$145,469,077, of which the Provincial Government's share was \$71,841,139.

RURAL POWER DISTRICT

GROSS INVESTMENT IN FIXED ASSETS AS AT DECEMBER 31

System and Region	1951	1952	Net increase
	\$	\$	\$
SOUTHERN ONTARIO			
Western.....	22,526,255	24,808,335	2,282,080
West Central.....	19,317,535	21,411,178	2,093,643
Niagara.....	5,284,954	5,942,658	657,704
Toronto.....	6,930,892	8,211,624	1,280,732
Georgian Bay.....	23,755,222	26,486,941	2,731,719
East Central.....	17,495,886	19,833,123	2,337,237
Eastern.....	15,914,230	18,329,012	2,414,782
Total.....	111,224,974	125,022,871	13,797,897
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	10,995,757	13,885,747	2,889,990
Northwestern.....	5,006,414	6,560,459	1,554,045
Total.....	16,002,171	20,446,206	4,444,035
Total—All systems.....	127,227,145	145,469,077	18,241,932
Provincial assistance.....	63,015,166	71,841,139	8,825,973

Rates for Rural Hydro Service

Since January 1, 1944 all rural electrical services except industrial power service have been supplied at rates which, for any one classification within farm, hamlet, commercial, or summer service, are uniform throughout the Commission's systems. For example, all of the Commission's farm service customers in any one classification and using the same number of kilowatt-hours per month are billed for the same amount regardless of where they are located in Ontario.

# MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING AREAS AT DECEMBER 31, 1952

System by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Commercial	Summer	Power	Total
SOUTHERN ONTARIO							
Western . . . . .	7,218.84	29,953	28,780	4,558	6,292	270	69,853
West Central . . . . .	6,033.55	23,790	19,626	3,384	2,819	232	49,851
Niagara . . . . .	1,296.00	6,086	12,352	1,276	1,906	126	21,746
Toronto . . . . .	1,896.77	6,646	14,117	1,659	4,155	144	26,721
Georgian Bay . . . . .	8,118.50	21,765	13,847	3,843	22,450	85	61,990
East Central . . . . .	5,918.86	16,204	15,673	3,543	9,766	85	45,271
Eastern . . . . .	5,318.67	16,299	12,324	3,442	4,214	124	36,403
Total . . . . .	35,801.19	120,743	116,719	21,705	51,602	1,066	311,835
NORTHERN ONTARIO PROPERTIES							
Northeastern . . . . .	2,962.77	5,679	13,355	2,125	2,561	80	23,800
Northwestern . . . . .	1,513.12	3,029	3,119	734	996	24	7,902
Total . . . . .	4,475.89	8,708	16,474	2,859	3,557	104	31,702
Total—All systems . . . . .	40,277.08	129,451	133,193	24,564	55,159	1,170	343,537



ELECTRICAL SERVICE IN A HAMLET

The transformer shown steps down power from 12,500 volts to 120/240 volts.  
Street lighting is also provided in many hamlets.

Each of the main classes of Hydro rural service is briefly described in Appendix III, and the rates applicable to each are given. In connection with these rates, reference was made in the 1951 Report to the effect of the increased costs of power supplied to rural operating areas. In 1952 these increased costs made it necessary to plan for increases in rural rates to take effect in 1953.

Appendix III also includes tables showing miles of line and number of customers in rural operating areas, a tabular summary of rural construction since 1921, and a statistical table supplementary to the table on page 58 and dealing with rural services in the years 1928 to 1943.

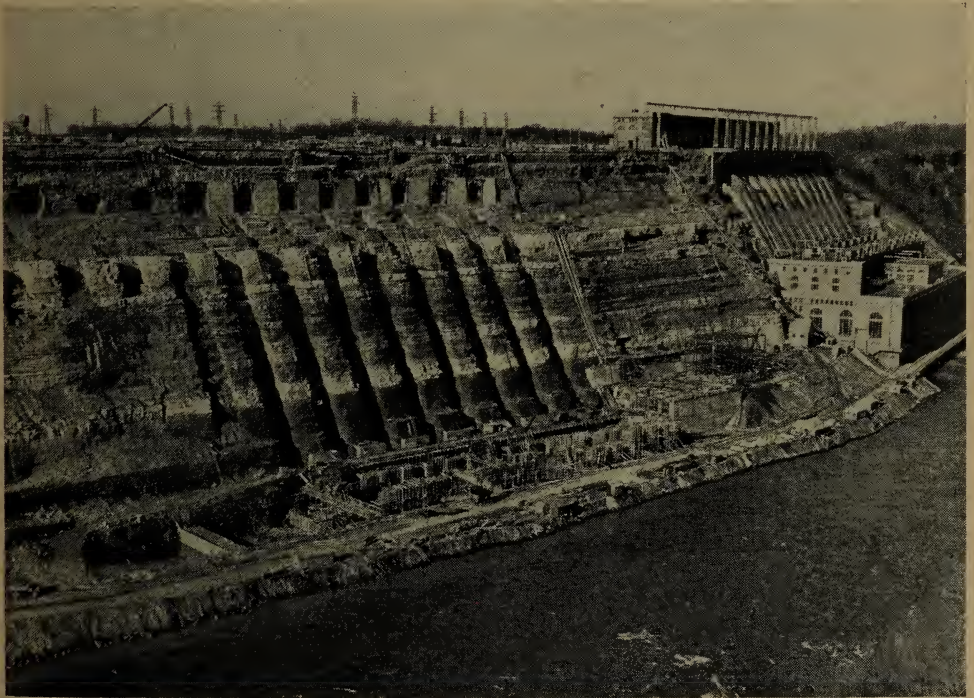


## SECTION V

### ENGINEERING AND CONSTRUCTION

**D**URING 1952 the emphasis in the Commission's engineering and construction program shifted from the Ottawa River to the Niagara River. The program on the Ottawa River upon which activity had been largely concentrated in previous years was virtually complete when the Otto Holden Generating Station was placed in service. A brief summary of the development of the Ottawa River resources appeared in the Forty-fourth Annual Report. A supplement in the form of a report on construction procedure and equipment at the Otto Holden Generating Station forms the conclusion of this section.

On the Niagara River, where work had been proceeding since late 1950 on Sir Adam Beck-Niagara Generating Station No. 2, the scope of engineering and construction activities was increased by a decision to build a twelve-unit project rather than one of seven units as previously programmed. This, the



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Powerhouse, general view, November 1952. The excavation for eight penstocks was virtually complete and the excavation for four more was well begun.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Earth excavation for No. 1 gathering tube proceeds "in the dry" behind the protection of the cofferdam at the right.

largest power project ever undertaken by the Commission, is arousing international interest comparable to that surrounding the construction of Sir Adam Beck-Niagara Generating Station No. 1 constructed in the same neighbourhood a generation ago.

In recent years the growth in power requirements has been large and continuous. New sources of power brought into service on the Ottawa River and elsewhere have enabled the Commission to all but overcome the insufficiency of capacity existing in 1945 and the increases in requirements which accumulated during the following years. Important among these new sources were the Commission's two large fuel-electric generating stations, the Richard L. Hearn at Toronto and the J. Clark Keith at Windsor, where construction was continued and capacity added during 1952.

Preliminary engineering studies in relation to the proposed development of power from the International Section of the St. Lawrence River proceeded. They were carried forward to the point where the Commission was prepared to proceed with construction as soon as an entity yet to be named is granted a licence by the Federal Power Commission to carry out the power project on the United States side of the river.

Preliminary surveys were made of other sites where hydro-electric generation development appears practicable. These included sites on the Albany, Missinaibi, Abitibi, and Mattagami Rivers. On the Abitibi River studies were made in sufficient detail to enable planning and estimating to proceed.



Much important engineering and construction activity was required in providing transmission and transformation facilities to incorporate new power sources into the systems and to provide for frequency standardization.

A brief survey of progress in the construction of generating, transformation, and transmission facilities within each system is given in this section of the Report. Supporting statistical data are to be found in Appendix IV.

## PLANNING

The Commission established a Planning Division in 1952 to coordinate the system and program planning activities of the engineering departments. At the same time a department was established within the Division to prepare all estimates and to exercise close control of capital construction costs.

### System Planning

The requirements of frequency standardization in the Niagara Division of the Southern Ontario System provided an opportunity for planning major changes in the system of power delivery. Continued load growth required changes in the system in any case, but the incorporation of Sir Adam Beck-Niagara Generating Station No. 2, together with the requirements of frequency standardization, was made the occasion for a major revision in transmission and transformation facilities. It is expected that this revision will result in a more evenly balanced loading on transmission lines and an improvement in service security.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Looking up river from excavation for No. 1 gathering tube. At the left the cofferdam.



A pooled 230-kv transmission network has been planned in which, so far as possible, each transmission circuit will carry its proper share of the total power delivery, and operate at an optimum loading. Switching stations are to be located at points outside built-up areas. Short radial lines will connect the switching stations with the main 230/115-kv terminal stations which are situated as close as possible to load centres.

The 115-kv transformer stations will be supplied radially from these terminal stations over a pair of 115-kv circuits. In the Toronto area, for example, the A. W. Manby and Leaside Transformer Stations, each with a continuous capacity of 800,000 kva, will supply the Toronto area with twice its present 115-kv load over existing transmission circuits. Service security will also be improved since the scheme of supply to the load areas is planned so that the loss of any one circuit of the pair supplying the 115-kv transformer stations, or the loss of any one transformer will result in no interruption of service to the area supplied.

#### **Program Planning and Control**

Planning and control of the flow of work, which has continued at a very high level, have resulted in a relatively constant work load in engineering and construction. It has been possible to program work far enough into the future so that new projects could be advanced or retarded as required to avoid major fluctuations in the work load of the various departments affected.

The preparation and development of the Commission's capital construction budget is a responsibility of the department of program planning and control. The measures of control that the department has been able to exercise in this matter have resulted in closer estimates of the funds required for the Commission's program of capital construction.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Aggregate stockpile in the whirlpool area

For convenient reference, the tables that follow summarize the Commission's power development program since November 1, 1945 and expenditures on capital construction by fiscal years in the same period.

In the financial table no adjustment has been made for equipment relocated, reclassified, or retired, and therefore the expenditures shown are not equal to the increase in fixed assets in any year. Under "Generation", step-up transformation and high-voltage switching at the site are included; "Transformation" includes switching and frequency-changer stations; and "Other" includes communications, local systems, and administrative and service buildings and equipment. Approximately half of the rural expenditures shown is recoverable in the form of Provincial grants-in-aid.

**Summary of Ontario Hydro's Power Development Program—1945-1956**  
**As at December 31, 1952**

System and Development	In service	Dependable peak capacity kilowatts
<b>SOUTHERN ONTARIO SYSTEM</b>		
DeCew Falls (extension)—Niagara Region.....	Sept. 1947	57,000
Stewartville—Madawaska River.....	Sept. 1948	63,000
Additional power purchase contract—Polymer Corporation.....	Nov. 1948	22,500
Emergency fuel-electric units.....	Jan. 1949—Apr. 1950	53,000
Des Joachims—Ottawa River.....	July 1950—Feb. 1951	380,000
Chenau—Ottawa River.....	Nov. 1950—Sept. 1951	120,000
Richard L. Hearn—Toronto.....	Oct. 1951—Dec. 1952—276,000 kw	
	June 1953—100,000 kw	376,000*
J. Clark Keith—Windsor.....	Nov. 1951—Dec. 1952—132,000 kw	
	Jan. 1952—Nov. 1953—132,000 kw	264,000†
Otto Holden—Ottawa River.....	Jan. 1952—Dec. 1952—178,000 kw	
	Apr. 1953—26,000 kw	204,000
Sir Adam Beck—Niagara No. 2—Niagara River.....	1954—1956	900,000†
<b>NORTHERN ONTARIO PROPERTIES</b>		
<b>NORTHEASTERN DIVISION</b>		
George W. Rayner—Mississagi River.....	July 1950	47,000
<b>NORTHWESTERN DIVISION</b>		
Ear Falls (extension)—English River.....	June 1948	6,000
Aguasabon—Aguasabon River.....	Oct. 1948	40,000
Pine Portage—Nipigon River.....	July 1950—	61,400 kw
	1954—	31,600 kw
		93,000

\* Installed capacity. After conversion of first and third units to 60-cycle operation, installed capacity will be 400,000 kilowatts.

† Installed capacity.

**Expenditures on Capital Construction**  
**By Fiscal Years 1946-1952**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
Total 1946-52.....	432,065	121,904	112,162	114,234	24,780	805,145

\* 14-month fiscal period.





SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Concrete mixing plant No. 1 in the whirlpool area

## SOUTHERN ONTARIO SYSTEM

### Progress on Power Developments

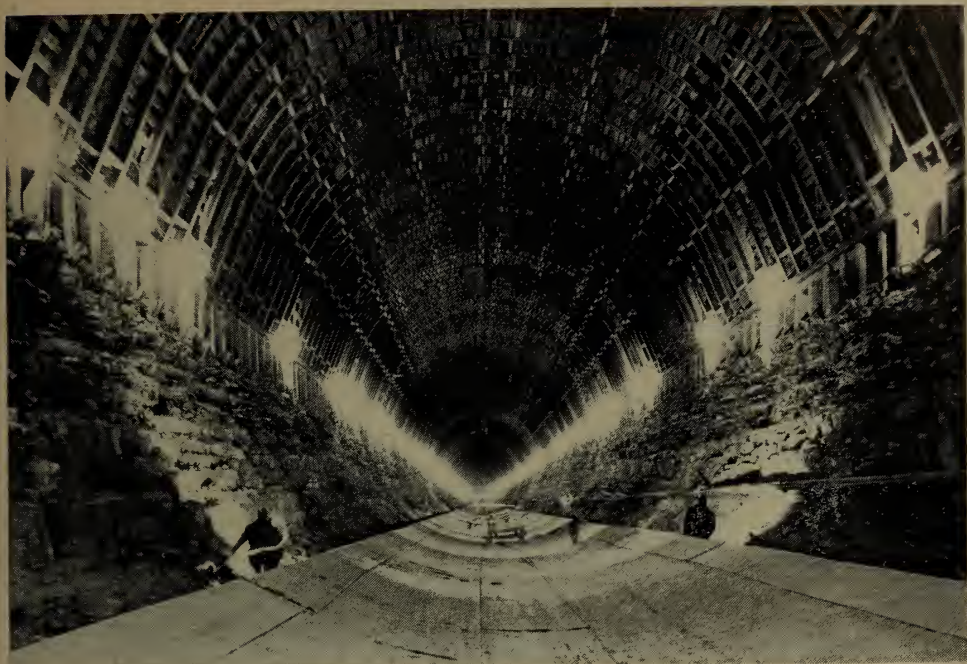
#### SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—NIAGARA RIVER

- Location* —Niagara River, 6 miles down stream from the cataract, near Queenston, and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
- Installed Capacity* —900,000 kilowatts in 12 units, 60 cycles.
- Rated Head* —292 feet.
- In-Service Schedule*—Four units in 1954, six units in 1955, and two units in 1956.
- Estimated Cost* —\$299,900,000, including generation, step-up transformation, and high-voltage switching at the site.

Early in 1952 it was decided to proceed with a project of twelve units instead of one of seven units as previously programmed.

The main features of the enlarged project are two intake structures; two hydraulic pressure tunnels, one 5.1 and the other 5.4 miles in length, and each 45 feet in finished diameter; a canal  $2\frac{1}{4}$  miles in length; and a powerhouse. For the greater part of their length the tunnels are parallel to each other and about 250 feet apart. They pass below the city of Niagara Falls and reach to a maximum depth of 330 feet below the surface of the ground.





SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Section of Tunnel No. 1 with concrete invert laid



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Excavation at tunnel exit portal No. 1





SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Trapezoidal section of the canal seen from above the exit portal of Tunnel No. 2



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Power shovel of 6-cubic-yard capacity in the canal. In the background the headworks structure of the station.

During the year work proceeded on, or in advance of schedule. At the powerhouse site most of the excavation was completed by the end of the year and 20 per cent of the concrete had been poured. The major portion of the excavation for the canal extending from the lower tunnel portals to the head-works was also completed. Good progress was made in the excavation at the intake area. By the end of the year more than half of the excavation of No. 1 tunnel was finished and work had commenced on the second tunnel.

#### RICHARD L. HEARN GENERATING STATION (STEAM)—TORONTO

- Location* —The eastern area of Toronto's waterfront.
- Installed Capacity* —Units No. 1 and 3 each 88,000 kilowatts at 25 cycles, Units No. 2 and 4 each 100,000 kilowatts at 60 cycles. Total installed capacity 400,000 kilowatts with all units operating at 60 cycles.
- In Service* —Unit No. 1, October 27, 1951; Unit No. 2, February 4, 1952; and Unit No. 3, November 12, 1952.
- In-Service Schedule*—Unit No. 4 in June 1953.
- Estimated Cost* —\$60,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Good progress was made on the extension of the building for the accommodation of the third and fourth units. Erection of the steam generator, turbine generator, and auxiliary equipment for the fourth unit proceeded on schedule.

Landscaping of the site was begun and permanent road facilities were completed.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Power drills operating in the canal, preparing for the placing of explosive charges





SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Headworks structure, November 1952. In the background the screen-house of Sir Adam Beck-Niagara Generating Station No. 1.

### J. CLARK KEITH GENERATING STATION (STEAM)—WINDSOR

*Location* —Detroit River, on the southern limits of the city of Windsor.

*Installed Capacity* —Four units, 264,000 kilowatts, 60 cycles.

*In Service* —Unit No. 1, April 1, 1952; Unit No. 2, November 8, 1951.

*In-Service Schedule*—Unit No. 3 in April 1953, Unit No. 4 in November 1953.

*Estimated Cost* —\$48,930,000, including generation, step-up transformation, and high-voltage switching at the site.

During the year progress was made on the extension of the building for the accommodation of the third and fourth units. The erection of equipment for these units proceeded with the expectation of their being in service successively in the spring and fall of 1953.

Facilities for 115/230-kv step-up transformation were well advanced. The 115-kv terminal facilities for one of two interconnections with the Detroit Edison Company proceeded as planned.

### Transformer Stations and Transmission Lines

Details of the main transformation and transmission facilities constructed or under construction in 1952 are given below. A table listing new transformer stations and other stations where capacity was increased is given in Appendix IV. Another table lists total mileage of transmission lines in 1951 and 1952.

**Facilities to Distribute Power from Des Joachims and Otto Holden Generating Stations**

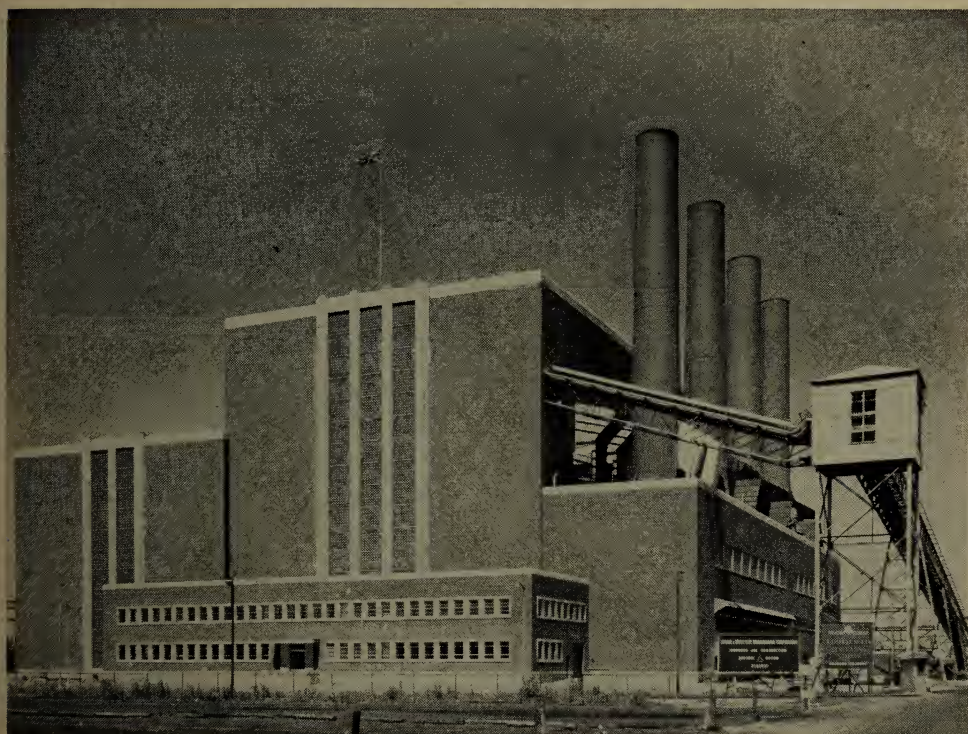
The line connecting Otto Holden Generating Station and Des Joachims Generating Station was changed from 115- to 230-kv operation when Otto Holden Generating Station was first placed in service in January.

The installation of 230-kv switching equipment was completed at Minden Switching Station and the station, initially in service in 1950, was placed in full service in March 1952.

At Essa Transformer Station, the second 70,000-kva, 230/115/13.2-kv autotransformer was placed in service in May. The second circuit from Essa to E. V. Buchanan Transformer Station, a small portion of which had been operated at 115 kv, was placed in service at 230 kv in May. At E. V. Buchanan Transformer Station, the third 120,000-kva, 230/115/13.2-kv autotransformer was placed in service in December.

At the Detweiler Transformer Station, located near Kitchener and formerly known as Petersburg Transformer Station, the total capacity of the two transformer banks with additional cooling installed will be 240,000 kva. It is expected that the station will be placed in service in the summer of 1953.

At A. W. Manby Transformer Station, work proceeded on the installation of the third 120,000-kva, 3-phase, 60-cycle, 230/115/13.2-kv autotransformer. It was decided to provide the third synchronous condenser by removing the 40,000-kva 25-cycle unit from Essex Condenser Station as soon as the progress



RICHARD L. HEARN GENERATING STATION—Provision has been made at this station for the installation of the third and fourth units.



of frequency standardization permits, having it rewound for 60-cycle operation, and relocating it at A. W. Manby Transformer Station. Its capacity will be 48,000 kva.

#### **Facilities to Supply 60-cycle Power in Advance of Frequency Standardization**

The facilities provided in Western, West Central, Niagara, and Toronto Regions for the advance supply of 60-cycle power are listed in the table of transformer capacities in Appendix IV. This power was supplied to the Western and West Central Regions from Burlington and E. V. Buchanan Transformer Stations, to the Niagara Region from Allanburg and Burlington Transformer Stations, and to the Toronto Region principally through five 115-kv transformer stations supplied from A. W. Manby Transformer Station and Richard L. Hearn Generating Station.

#### **Facilities to Distribute Power from Richard L. Hearn Generating Station**

The incorporation of the increased output of the Richard L. Hearn Generating Station required the construction of additional transmission facilities in the Toronto area. Two circuits of 115-kv underground cable were installed between the Don-Fleet and Bloor Street Junctions via Toronto-Gerrard Transformer Station. The double-circuit steel-tower line from Toronto-Esplanade Transformer Station to Toronto-Leaside Transformer Station was replaced from Bloor Street Junction to Toronto-Leaside by a four-circuit steel-tower line. Three of these four circuits were placed in service during the year, one being used to supply Toronto-Thorncliffe Transformer Station with 60-cycle power.



J. CLARK KEITH GENERATING STATION—The building was extended for the installation of the third and fourth units.



**Facilities to Distribute Power from Sir Adam Beck-Niagara Generating Station No. 2**

The program of construction of facilities which will eventually distribute power from Sir Adam Beck-Niagara Generating Station No. 2 was adapted so that certain of these facilities could provide 60-cycle power to the Niagara area in advance of frequency standardization. These facilities included one 120,000-kva, 230/115/13.2-kv autotransformer placed in service at Allanburg Transformer Station in August, and the 230-kv line switching at Burlington Transformer Station.

Sixty-cycle power from the 230-kv network was supplied to the Niagara Region for the first time in August. It was transmitted between Burlington and Allanburg Transformer Stations via Horning Mountain Junction. Initially, a circuit designed for 230-kv operation, but previously operated at 115 kv and 25 cycles, was used pending construction of a new double-circuit 230-kv line from Horning Mountain Junction to Allanburg Transformer Station. When the first circuit of the new line was placed in service in December, the corresponding section of the old circuit was released for return to operation at 115 kv and 25 cycles.

**Transmission Line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station**

One circuit of the double-circuit transmission line from E. V. Buchanan Transformer Station to J. Clark Keith Generating Station was placed in service and the other circuit was in service as far as Charing Cross Junction, at which point it was connected with Kent Transformer Station. Both circuits operated at 115 kv, 60 cycles.



**RICHARD L. HEARN GENERATING STATION**—Installation showing six transformers, each with a capacity of 100,000 kva when operating at 60 cycles

### Voltage Change in the Eastern Region

The Commission completed a large part of an extensive program under which the 26.4-kv and 33-kv lines in the Madawaska and Rideau Districts will be rehabilitated for 44-kv operation.

## NORTHERN ONTARIO PROPERTIES

Plans were made to extend Pine Portage Generating Station by the addition of the third unit of the four for which the station was designed. Contracts were awarded for the turbine, penstock, generator, and transformers. At the same time provision was made for the embedded parts for the fourth unit.

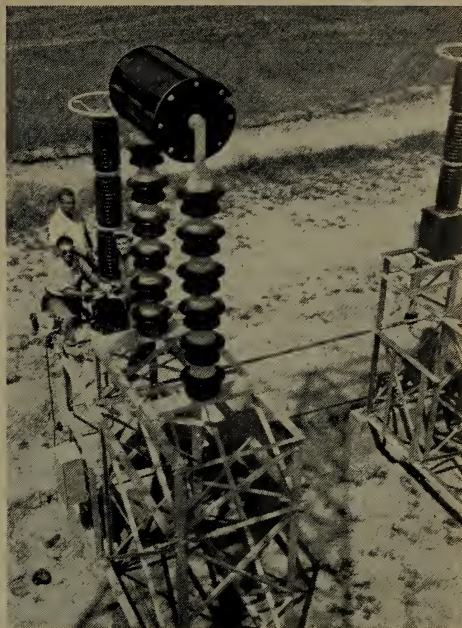
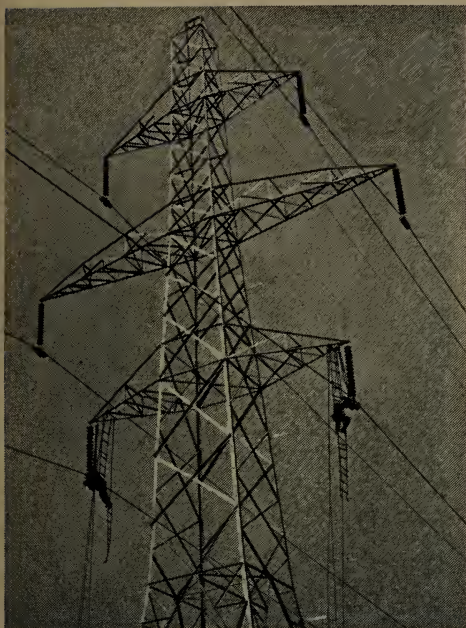
### Power Distribution in the Sudbury District

The changing of distribution voltage in the Sudbury district from 22 kv to 44 kv continued. At R. H. Martindale Transformer Station where two 8,000-kva, 3-phase, 115/22-kv transformers were in service, one was replaced by a temporary 15,000-kva, 3-phase, 115/44-kv transformer. A second 15,000-kva transformer was also installed. It is planned that the second 8,000-kva transformer will be removed and that both temporary 15,000-kva units will be eventually replaced by 25,000-kva transformers.



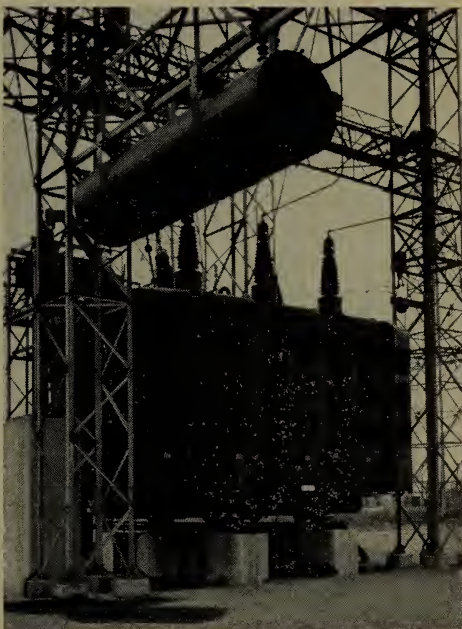
PINE PORTAGE GENERATING STATION—Plans have been made to extend the powerhouse towards the east for the installation of the third and fourth units. The concrete envelopes for the penstocks can be seen at the right of the headworks.





Left: Head of Blaw-Knox double-circuit tower

Right: Wave trap and coupling capacitor at Allanburg Transformer Station for use on 230-kv line



#### TRANSFORMER INSTALLATION

Left: A voltage regulator having a circuit capacity of 75,000 kva, at Burlington Transformer Station

Right: A 120,000-kva transformer at Burlington Transformer Station, showing forced-air cooling



## OTTO HOLDEN GENERATING STATION—OTTAWA RIVER

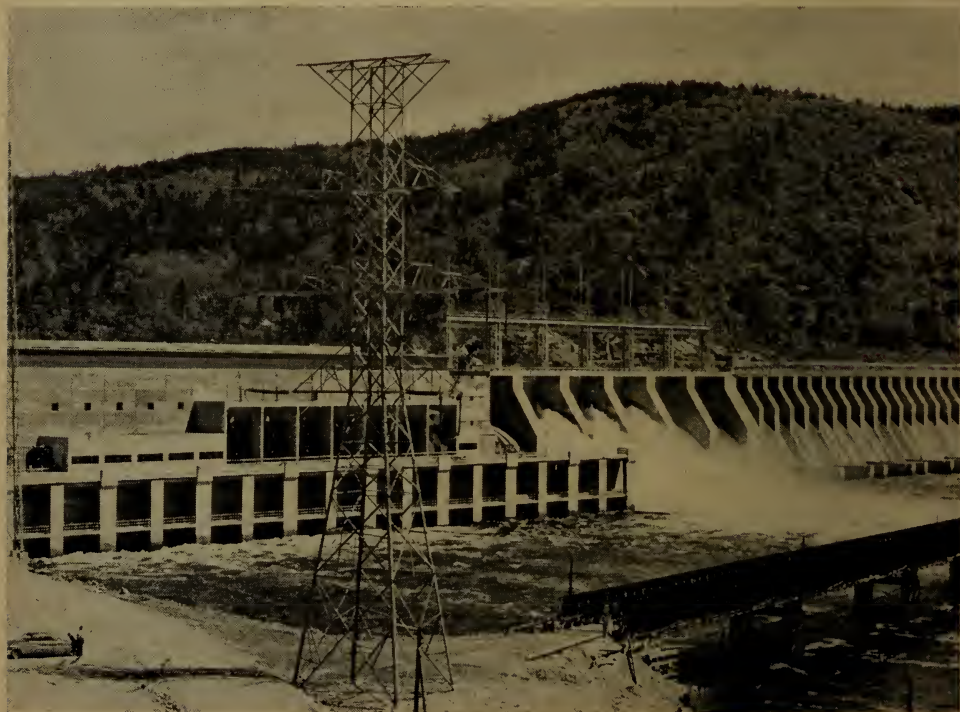
This station, named after the Commission's Assistant General Manager—Engineering, was officially opened on June 10, 1952. Four of the station's eight units had been placed in service successively on January 10, January 22, March 15, and April 22. Three units were subsequently added on July 4, September 16, and November 7. The eighth unit, expected to be in service early in 1953, will raise the capacity of the station to 204,000 kilowatts.

### Site

The station is located on the Ottawa River approximately 5 miles up stream from Mattawa, Ontario and about 60 miles from the Commission's Des Joachims Generating Station. At this point the river flowed through a narrows with a natural fall of about 10 feet.

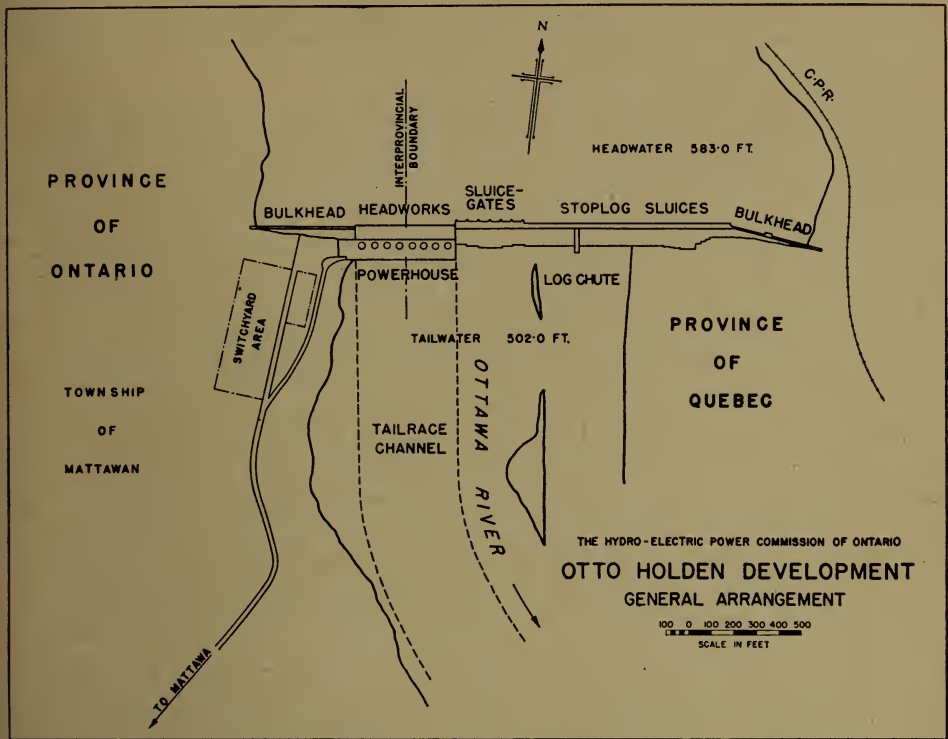
The estimated cost of the project is \$60,331,000. This includes generation, step-up transformation, and high-voltage switching at the site, but not the adjoining Mattawan Autotransformer Station and its switching.

As the accompanying plan shows, the powerhouse, located in the middle of the river channel, is flanked at its western end by an erection bay and a gravity dam and at its eastern end by the main sluiceways, the stoplog sluiceways, and a gravity dam to the Quebec shore. These structures have a combined length of 2,500 feet. The rated head is 77 feet.



OTTO HOLDEN GENERATING STATION—The powerhouse and six main sluices. At the right the stoplog-sluice structure.

The work of construction involved the clearing of 3,100 acres of land and the relocation of 36 miles of Canadian Pacific Railway main line. This was made necessary by the creation of the forebay lake, which is 30 miles long and has an area of about 8,000 acres.



### Construction Procedure

Construction began in 1949. The first step was to provide a diversion channel 2,400 feet long by excavating through rock on the eastern shore of the river. Across this diversion channel a portion of the stoplog-sluice structure was built to provide seven sluices 38 feet in width. These are separated from one another by piers 28 feet wide and equal to the main dam in height.

When the normal river channel was eventually closed by the completion of cofferdams above and below the powerhouse site, the diversion channel carried the entire flow of the river. It continued to do so for a period of two years while construction of the main dam, powerhouse, and main sluiceway structures proceeded in the dry.

When the works to impound the waters in the forebay were sufficiently advanced, the seven diversion sluices were progressively closed. This step was achieved by using steel gates at the upstream and stoplogs at the downstream openings of the sluices. The concrete sills of the diversion sluices were poured in lifts averaging 15 feet in height. To complete the closure required twenty-six pours in all during a period of thirty weeks. In that time the forebay had risen to a level about 13 feet below full elevation. The remainder of the dam was then completed and the head was raised to full level.

### Sluiceways

In the dam extending east from the powerhouse are the six main sluices with their sills 30 feet below headwater. They are controlled by steel gates of the fixed roller-type moved by screw-stem hoists operated from an overhead bridge.

Further to the east are forty-two stoplog sluices, each 16 feet wide and with sills 22 feet below normal headwater level. Stoplogs are handled by two motor-operated spud-winches.

The main and stoplog sluices combined have a flood-discharge rate of 140,000 cubic feet per second.

### Log-Chute

A log-chute head-block in the eastern gravity wall has a 20-foot sluiceway with a sill 10 feet below normal headwater level. A log-slide between this sluiceway and the river channel down stream will be constructed if required. In the meantime, logs are guided by timber-booms to a stoplog sluice, where a semi-permanent concrete and timber slide has been provided to convey them via the diversion channel to the river below.

### Powerhouse

The powerhouse, an integral part of the main dam, is centred on the Provincial boundary. Through its sixteen intakes, water passes from the forebay into eight passages, 18 feet high and 19½ feet wide, which lead to the concrete scroll-cases of the turbines. The intakes are protected against debris by trash-racks. Sixteen steel headgates serve to dewater the turbines. Sectional steel gates on the upstream face are used in emergencies to dewater the passages up stream from the headgates.



OTTO HOLDEN GENERATING STATION—View of the stoplog-sluice structure, looking west



The hoists for the headgates are in a headgate house extending the full length of the headworks. An electrically-operated gantry-crane on the headworks deck is equipped with 40-ton and 4-ton lifting hooks.

The concrete substructure contains the eight turbines with their associated reinforced-concrete scroll-cases and draft-tubes, the governing equipment, and the generator foundations. There are three service floors. The tailrace-decks are on two levels, one at approximately the floor-level of the generator-room, the other about 12 feet above ordinary tailrace-level.



OTTO HOLDEN GENERATING STATION

The generator-room showing seven of the eight units installed

On the upper tailrace-deck are located seven pockets for the six 36,000-kva transformers and a spare, and facilities are provided for moving them to the erection bay for maintenance. On the lower deck, a 10-ton hoist serves to place sectional steel emergency gates in the portals of the draft-tubes when these are being dewatered. Provision has been made for draining water from scroll-cases and draft-tubes and pumping it into the tailrace.

The generator-room, of structural steel and concrete, is 533 feet long, 57 feet wide, and 56 feet high. It is provided with two electrically-operated travelling cranes, each with a capacity of 107 tons.

The space between the generator-room and the headworks provides service floors on three levels and accommodation for fully air-conditioned offices and workshops. Two rooms on the downstream side of the generator-room and at main floor-level accommodate the low-

voltage switching. The roof of the building is supported by rigid frame trusses of structural steel. This is the first of the Commission's powerhouses to have this type of roof construction.

#### Generating Station Equipment

Eight vertical-shaft units, each comprising a Francis-type turbine directly connected to an umbrella-type generator, operate at a speed of 94.7 rpm. Four turbines, each with a capacity of 33,000 brake horsepower, were supplied by Canadian-Allis Chalmers Limited and four were supplied by John Inglis Company Limited. The governors, of the twin-cabinet actuator-type, are situated on the upstream side of the generator-room. They were manufactured by the Woodward Governor Company.

Each of the 3-phase, 60-cycle, 13.8-kv generators is totally enclosed and has a rated capacity of 27,000 kva at 0.95 power factor. Each is equipped with a voltage regulator of the Rototrol type, and with devices operated from the control-room for starting, stopping, and automatic synchronizing.

### Power into the System

The 13.8-kv power from each generator is conducted through an air-blast circuit-breaker to a bus in a metal-clad structure where two generators are connected in parallel and fed to one of two main transformer banks where the power is stepped up to 230 kv. Each transformer bank consists of three 36,000-kva, single-phase, forced-oil transformers, which are water-cooled. The transformers are connected delta-star, with the high-voltage neutral solidly grounded. Each bank of transformers has two low-voltage circuits, each capable of receiving the output of two generators. Thus two main transformer banks serve all eight generating units.

The switchyard is on a terraced hillside southwest of the powerhouse. It contains four 230-kv, 800-ampere, pneumatically-operated, oil circuit-breakers with a rupturing capacity of 5,000,000 kva. Each breaker is equipped with its own air-compressor and storage tank. The 230-kv ring-bus is based on an arrangement of one breaker per element.

From this ring-bus a circuit on steel towers follows the west bank of the Ottawa River southward to the switchyard at Des Joachims Generating Station. The two circuit-breakers controlling this line are arranged for single-pole tripping and reclosure. The other two breakers control a bank of three 20,000-kva, single-phase, forced-oil, air-cooled autotransformers in the Mattawan Transformer Station. These transformers are connected star-star, with both high- and low-voltage neutrals solidly grounded, and step the power down to 115 kv.



OTTO HOLDEN GENERATING STATION—Control-room. An outstanding feature of the room is the plexiglass ceiling.

The 115-kv switchyard is immediately north of the 230-kv switchyard and contains one 138-kv, 800-ampere, oil circuit-breaker arranged for automatic three-pole tripping and reclosure and with a rupturing capacity of 1,500,000 kva.

From the 115-kv bus a single circuit on wood poles connects the switchyard with North Bay Transformer Station. The switchyard at Otto Holden Generating Station, therefore, provides a link between the Northeastern Region of the Northern Ontario Properties and the Southern Ontario System.

Over the 230-kv circuit, carrier communication and relaying are provided; on the 115-kv circuit, impedance relaying is used. Both switchyards are served by a common relay building and common oil-handling facilities.

#### **Operators' Colony**

In the town of Mattawa, about 5 miles from the generating station, twenty-three houses with garages were built to house the operating staff. The colony is connected with the generating station by 3 miles of highway and 2 miles of access road, both built by the Provincial Department of Highways during construction of the generating station, with the Commission paying for the access road and half the cost of the highway.



## SECTION VI

### RESEARCH AND TESTING ACTIVITIES

The engineering, construction, operation, and maintenance activities of the Commission require continuous and extensive research in a wide variety of fields. During 1952 some forty research panels of engineers and technicians studied electrical, chemical, mechanical, and structural problems and made satisfactory progress. It is not possible in this Report to give all the details of this progress but some of the more outstanding achievements are recorded under the headings, "Operation and Maintenance Investigations", "Structural Materials Testing and Construction Problems", and "Miscellaneous Work".

#### OPERATION AND MAINTENANCE INVESTIGATIONS

##### Development of New Equipment

The principle of the linascope used in locating faults in open-wire transmission and communication circuits was applied in the development of a cable linascope. This instrument made it possible to locate high-resistance faults in underground cables quite short in length in comparison with overhead lines. The electronic circuit in the cable linascope permits the measurement of time intervals of a fraction of a microsecond. This high degree of accuracy enables the operator normally to locate faults within a ten-foot margin of error.

As an aid in bolometer surveys of transmission-line joints, a very simple and economical method was devised for the rapid preliminary checking of heated joints by the use of a small inexpensive telescope. The telescope is focussed, in line with the suspected joint, on a more distant object such as an overhead ground wire or tower. If heated air from the joint drifts across the line of sight, the more distant object appears to "shimmer".

A portable telemeter was designed and installed for the automatic radio transmission of water-levels of a remote northern lake once each day to the nearest Commission station. The storage battery which supplies power to the apparatus is good for at least six months' operation without recharging, and is virtually unaffected by low temperatures. Changes in the lake level affect water pressures at a gauge located at the bottom of the lake. The effect of these pressure changes is transmitted through an oil line to the shore station and indicated by means of a novel type of slide wire. A clock-operated radio transmitter translates the information into a series of long audio tones representing feet and short audio tones representing tenths of a foot. The information is automatically recorded at the receiving station on a strip of electro-sensitive paper.

### Electric Power Metering

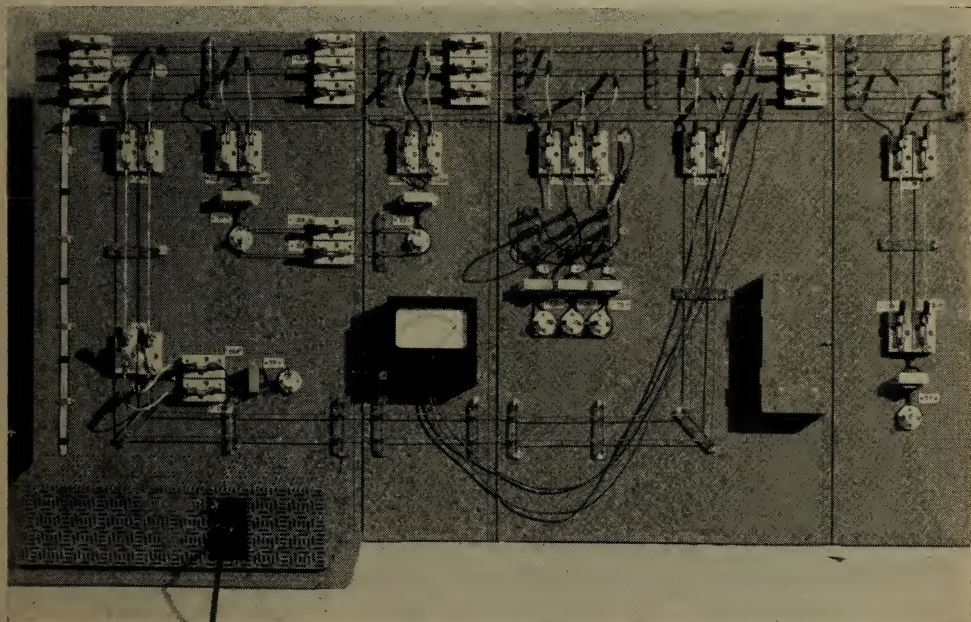
To conform with changes in Government regulations for the inspection of electricity meters, new watt-hour meter specifications were prepared and numerous investigations were conducted to establish the feasibility of these specifications. The effect of voltage surges was studied in order to determine a basic insulation level. Field measurements and laboratory tests established that some watt-hour meters are slowed appreciably when tilted by incorrect mounting. Exposure tests and performance tests were conducted in a comparison of clock-type and cyclometer-type registers.

A proposal to use a new type of single-phase meter for both two- and three-phase service was rejected after a study of operating performance. It was discovered that lack of torque, combined with the effects of low load, could result in a substantial loss of revenue.

Other major metering studies included the determination of the accuracy and dielectric strength of instrument transformers to check their conformity with specifications; the assessment of the possibility of using coupling capacitors and potential devices as an economical means of high-voltage metering and also for purposes of communication; and the development of a prototype live-line recording ammeter for use in rural areas.

### Electrical Insulating Materials

The first Canadian-produced thermalastic-insulated coils destined for experimental use in the generators at Otto Holden Generating Station, were comparatively tested against other specimens and types. During this work, some new test methods were devised and checked. Accelerated aging tests were conducted on generator insulation of various types. Suitable aging criteria and



TRANSFORMER FEEDBACK DEMONSTRATOR

Model developed to promote safety consciousness by demonstrating the hazards present on de-energized lines as a result of voltage feedback through transformers from energized lines



probable limiting factors were indicated by submitting new sample coils to sustained overvoltage at working frequency and temperature, and to all known non-destructive examinations.

The potential value to the Commission of several new types of plastic and composition tape was determined. Improved polyethylene insulation, developed to prevent failure due to cracking when used in certain unfavourable environments, was investigated, and test methods were devised to ensure that materials being purchased were of a type not subject to this kind of cracking.

Methods were studied for suspending long lengths of plastic-insulated cables in a vertical or near vertical position without permitting movement of the cables and deformation of the plastic. A new individual cable support was designed, consisting of a neoprene strap bound to the cable by polyvinyl chloride tape. In addition to appropriate laboratory tests, full-scale tests designed to simulate the methods for cable support to be used at Sir Adam Beck-Niagara Generating Station No. 2 were conducted in a 200-foot stairwell in the Head Office building.

A new development in the treatment of insulating oils drawn from major equipment was the use of diatomaceous earth as a filter aid in clarifying used oil from circuit-breakers. A trial filtration of 400 gallons proved successful in removing colloidal carbon when ordinary methods had failed.

#### **Testing of Major Electrical Equipment**

Substantial savings in the cost of frequency standardization of distribution transformers were made possible by the use of a simple method of reconnection devised to convert 3-kva, 25-cycle transformers to operation at 5 kva and 60 cycles. A theoretical determination of the new characteristics of the converted transformers was substantiated by impulse testing and by measurements taken on several transformers before and after reconnection.

Static capacitor tests were completed at Sarnia Transformer Station. Analysis of the results obtained when 10,000-kva capacitor banks were energized and de-energized indicated that overvoltages are not serious and that there is little tendency to restrike.

#### **Protection Against Lightning and Other Surges**

Surge phenomena investigations were completed to determine the protection required against surges on 115-kv cables, and against lightning for the 230-kv transformers with reduced basic insulation level (900 kv) to be used for the Sir Adam Beck-Niagara Generating Station No. 2.

#### **Corrosion Studies**

The problem of corrosion as it affects water-heater tanks, and also metal exposed to the weather or buried underground was studied intensively as part of a long-term program. The degree of cathodic protection that can be provided by various types of anode and different mounting methods was determined through field and laboratory tests of galvanized water-heater tanks. Methods for providing cathodic protection for buried pipe lines were also investigated.

To measure the corrosive effect of atmospheric conditions, tests were undertaken in three locations differing widely from each other in the extent of industrial pollution and the relative humidity of their normal atmospheres. In addition to investigating corrosion in sheet specimens of aluminum alloy,



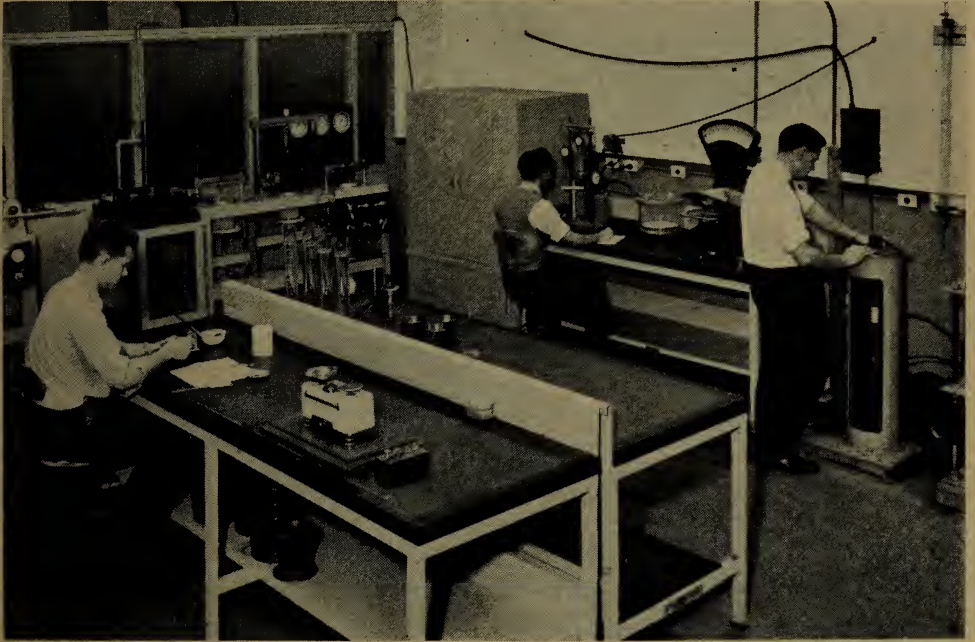
steel, and various bi-metallic applications, the studies will provide information on the value of metallic protective coatings of several types.

The effectiveness of non-metallic protective coatings for underground buried metals was being tested by the use of twenty different methods on nearly 100 specimens of steel pipe. These specimens were buried in two test plots considered to be representative of Ontario soil conditions. The electrical conductivity of each specimen will be measured periodically to detect the trend of deterioration. Various accelerated laboratory performance tests were also conducted to obtain an early indication of the value of the coatings.

### STRUCTURAL MATERIALS TESTING AND CONSTRUCTION PROBLEMS

#### Soil Mechanics

Typical work in soil mechanics included the determination of suitable sites for transmission-line towers and underwater cable crossings, the provision of foundation data for buildings, and the selection of materials suitable for use as backfill or for stabilizing roads and parking areas.

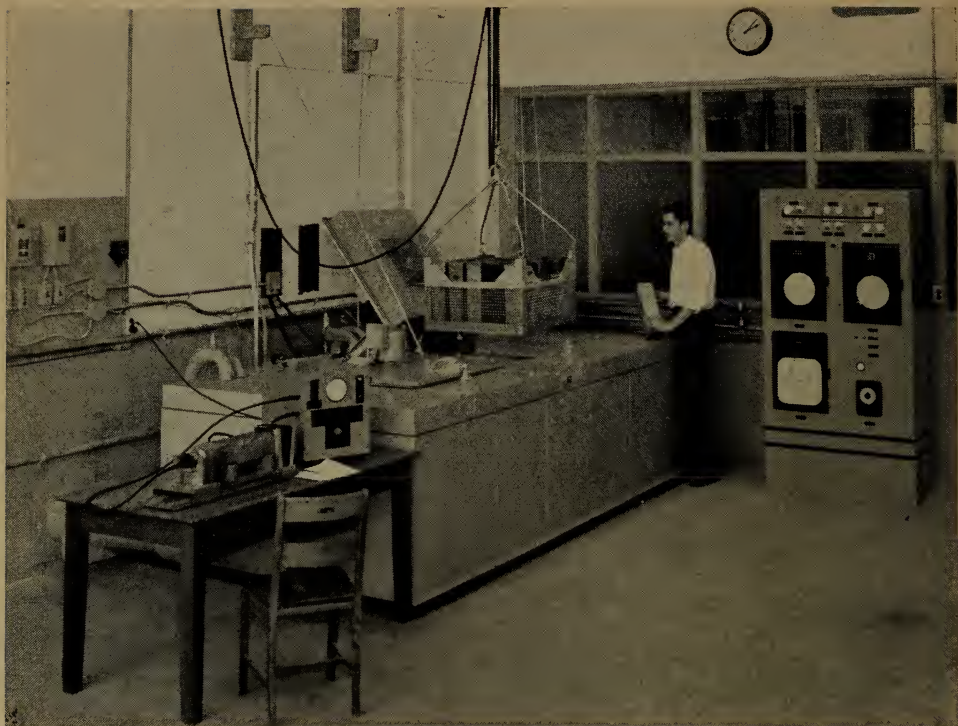


PART OF SOIL MECHANICS LABORATORY

Samples of soil from proposed building sites being tested for compressibility and working properties, and for load-bearing capacity. Apparatus at the right uses hydraulic pressure to eject soil from the sampling tube.

Frost-heaving of concrete footings was studied by the use of models of concrete piers installed in soil of a type likely to cause pronounced heaving. Various methods for counteracting the heaving were tested. The use of gravel backfill and the application of low-temperature grease appeared to be the most practical solution.

Methods for grouting soil, using chemicals or emulsified asphalt, were studied in the laboratory, and the usefulness of these materials in preventing



#### ACCELERATED TESTING OF DURABILITY OF CONCRETE

New equipment for exposure of concrete to alternate cycles of freezing and thawing. At the right the cycle-control cabinet and at the left a specimen of concrete ready for sonoscope measurement.

seepage around dam abutments and in helping to stabilize foundations was assessed.

#### Concrete and Masonry

New automatically-controlled equipment was assembled for the study of concrete and masonry durability under accelerated freezing and thawing conditions. Material was subjected to changes ranging from zero to 40 degrees Fahrenheit in from nine to twelve complete cycles per day. Samples of normal and fly-ash concrete, and of different aggregate materials from construction projects were tested by alternate freezing in air and thawing in water.

Sonoscope surveys of concrete structures, with occasional confirmatory core drilling, were conducted at various sites. In addition to the periodic check of the concrete in dams, a general survey was made of the concrete in ten generating stations on the Trent and Otonabee Rivers.

Comparative tests of sonoscope measurements were made in conjunction with interested organizations in the United States. The development of a standard acoustic-delay line as a test specimen for the sonoscope has facilitated a comparison of different instruments.

The concrete placed in the Commission's major structures during 1952 continued to be subject to careful examination and control. The main centre for activity of this kind was Sir Adam Beck-Niagara Generating Station No. 2



where approximately 500,000 tons of sand and 1,500,000 tons of crushed stone were inspected. Samples were submitted to mechanical analysis in the field laboratory.

#### Protective Materials

Comparative tests upon many varieties of protective materials, processes, and finishes were conducted. Various coatings for wood and steel forms used in concreting were graded according to their protective qualities and their contribution to ease in stripping. Recommendations were made for the treatment of wallboard against rot when used in contact with the ground or where relative humidity is high. A full-scale commercial application of the ammoniacal solution of copper borate developed by the Commission was undertaken in the treatment of wood poles.

#### Stress Measurements

At the Commission's new engineering building in Toronto, instruments were installed in the foundation during construction and these will be used to measure periodically the stresses to which the foundation will be subjected. Unbonded strain-gauge type instruments were used to measure loads directly on the earth, and a special pile-load dynamometer with bonded resistance-wire strain gauges was designed and developed to measure the load on the foundation piling. The information obtained will be supplemented by measurements of foundation swell and settlement and of pressure distribution against the sheet piling used to support excavations.

At Sir Adam Beck-Niagara Generating Station No. 2, stresses in the steel ribs of one of the tunnels were measured for comparison with the design stresses. Stress readings were taken periodically before concrete was placed.

In order to measure accurately the thrust exerted by ice on the faces of dams, the Commission designed and installed ice-thrust measuring devices in



PRESTRESSED CONCRETE ROOF-JOIST TESTED FOR STRENGTH

The joist is composed of twenty-six 8-inch concrete blocks prestressed by means of high-strength steel cables.





#### TESTING OF COMPONENTS

Left: Discharge tests of dry-type batteries. The panel at the right contains timers for controlling discharge periods.

Right: Determining the effect of temperature on the electrical capacity of ceramic-type condensers

the dams at Des Joachims, Otto Holden, and Pine Portage Generating Stations. During the winter of 1951-52 measurements were made and recorded at Des Joachims. Preparations were made to make similar measurements at the Otto Holden and Pine Portage Generating Stations, and it was planned to supplement the information so collected with measurements of the horizontal distribution of ice pressure by means of stress meters embedded in the ice. It was also planned to measure and study the factors which contribute to changes in ice pressure, such as the expansive force caused by a rise in ice temperature, changes in forebay elevation, and the frictional force of gusty winds.

#### MISCELLANEOUS WORK

##### **Illumination**

In problems dealing with illumination the Commission co-operated with the Department of Education in the study and development of new illumination techniques. Recent trends in school architecture, especially in the design and use of windows and chalkboard illumination, for example, have required new studies and evaluation.

##### **Spectrographic Analysis**

An emission-type spectrograph and associated equipment of an advanced design were acquired to supplement the wet analysis of inorganic materials, and greatly facilitated chemical studies. The instrument is intended particularly for the detection of minute quantities of an element; more accurate results are obtained by its use and results are obtained more quickly and economically than by other methods. Analyses were made of such substances as deposits from porcelain insulators, insulating oil additives, ashes of protective coatings, samples of bearing metals, and corrosion products from watt-hour meters.

## SECTION VII

### PERSONNEL ADMINISTRATION

THE total number of the Commission's employees at December 31, 1952 was 18,694. Though this total was 1,385 smaller than the total at the end of 1951, the number of employees designated as regular was greater by 649 and reached a record total of 11,907. Contractors on Commission projects reported 5,398 employees engaged on these projects at the end of the year.

#### Collective Bargaining

Excellent relations prevailed in the annual negotiations with the bargaining representatives of the Commission's employees, namely the Employees' Association, the Federation of Employee-Professional Engineers, and the Niagara Development Allied Council of the American Federation of Labour.

By the 1952 agreement with the Employees' Association a union security clause was adopted, and a forty-hour week for operating and maintenance staff was established. Both the Employees' Association and the Federation



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The project building housing the administration offices has been designed so that it can become an apartment building when the project is complete.





LINEMEN IN TRAINING  
Testing insulator sections

of Employee-Professional Engineers joined with the Commission in the initiation of a complete contributory medical-hospital plan, under which the Commission agreed to underwrite 50 per cent of the cost of medical attention and hospital expenses for the employees and their dependents.

Two new agreements were signed with the A.F. of L. during 1952, one with the Ontario Hydro Construction Allied Council and the other with the International Union of Operating Engineers. The provisions in these agreements were similar to those in agreements already established with construction and operating maintenance employees.

Of particular significance to the Commission's collective relations was a decision by the Ontario Labour Relations Board endorsing in effect the concept of a province-wide construction bargaining unit, a concept essential to the Commission's agreement made with the Ontario Hydro Construction Allied Council.

Evidence of co-operation between the unions and the Commission was visible in an Engineering Effectiveness Program within the Engineering Branch, and in the operation of various Employee-Management committees.

#### **Manpower Development**

The Commission continued to recognize the importance, both from its own point of view and the employee's, of making the maximum effective use of the varied skills of every person employed. To achieve this end, a program was prepared which involved a study of organization at all levels, an appraisal of employee skills, and the planning of their development within the organization.



The introduction of the program resulted in increased participation in training activities. These activities included courses for supervisors in organizing and guiding staff conferences and in improving their relations with their fellow-workers. Specialized courses in management offered by the Universities of Toronto and Western Ontario and by the American Management Association were also utilized.

The Commission's training centre gave trade instruction to 250 linemen and 135 foresters, in addition to other trade and professional groups. A total of 298 men participated in the operator-in-training program, and 255 were engaged during the year in correspondence courses sponsored by the Commission.

#### Medical

Employees in increasing numbers continued to avail themselves of medical services provided by the Commission in the form of periodic health examinations, consultations, and visits by nursing staff.

The hospital at Sir Adam Beck-Niagara Generating Station No. 2 admitted 559 patients and provided out-patient treatment on over 14,000 visits by employees of the Commission and its contractors. First-aid stations on the project treated 2,644 accident cases and 1,115 patients with various ailments.

A short elementary course in first aid was completed in all the Regions and in the Construction Division.

#### Accident Prevention

As an important part of the campaign to alert supervisors, particularly foremen and sub-foremen, to the need for safety consciousness at all times, a



Foresters in training developing skill in rope-climbing techniques

program of conference-type discussions on accident prevention was instituted in the Construction Division and a number of the Regions.

Considerable research was undertaken in the field of accident prevention. For example, a model electric distribution system was used to demonstrate the hazards involved in transformer feed-back; investigations were made of the effectiveness of various makes of safety hats; the study of dead-man controls on cranes resulted in their becoming standard on new installations; specifications for life preservers were tested and established; and field data on safe practices concerning the use of dynamite were revised.

These studies were further amplified through close and detailed study of each major accident by the supervisors directly concerned. Such information was brought to the attention of employees throughout the Commission by means of posters, displays, and publications.



FORESTERS IN TRAINING

A class studying tree structure at the Commission's training centre



## SECTION VIII

### MUNICIPAL ELECTRICAL ACCOUNTS

#### Accounts of the Municipal Electrical Utilities Operated by Municipalities and Served by The Hydro-Electric Power Commission of Ontario

THE Municipal Electrical Accounts section of this Report presents individually and in summary the results of the operations of the municipal electrical utilities in municipalities owning their own distribution systems and served under cost or fixed-rate contracts with the Commission. These are the municipalities referred to as Group 1 on page 30. The statements of operations and the balance sheets showing the financial status of these utilities at December 31, 1952 are prepared from their books of account. Other tables give statistical information on energy consumption, revenues, rates, and average costs for various classes of service.

The books of account on which the financial statements are based are kept in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted with the Commission for a supply of power. During 1952 this system was installed in the municipalities of Bronte, Eganville, Hearst, and Sundridge.

These books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods employed. In many of the smaller municipalities much of the book-keeping for the utilities is undertaken by representatives of the municipal accounting department of the Commission. Supervision of this kind ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures.

The utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. In conformity with the Commission's policy of service at cost, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal services, it has been returned in the form of cash or credit to the municipality. The municipality is, on the other hand, required to liquidate any deficit that may accrue.

#### Analysis of Statements

Statement "A" includes the balance sheets, and Statement "B" the operating reports of the utilities individually. These are summarized at pages 103 and 105 where a comparative summary for each of the preceding seven



years also appears. Statement "C" deals primarily with rates to customers within municipalities served by the utilities or by the Commission through local systems. Statement "D" gives information on number of customers, revenue, and consumption for each utility.

Elsewhere in this Report reference is made to the merging of the Northern Ontario Properties and the former Thunder Bay System. In this municipal section, wherever comparisons are made, statistics for Northern Ontario Properties as constituted in 1952 have been compared with statistics compiled on the same basis for 1951.

#### **Statement "A"**

The balance sheets of the utilities are given in alphabetical order under each of the Southern Ontario System and the Northern Ontario Properties. Plant values are given under the general headings specified in the standard accounting system. The asset designated as "Equity in H-E.P.C. systems" is shown in contra under "Reserves". This equity is acquired by the utilities through the payment of sinking fund as part of the cost of power. With a few exceptions the utilities show the equities as at the close of the previous year since certain year-end adjustments have been postponed to facilitate the early closing of their books. "Surplus" includes both operating surplus and the amount of money applicable to the retirement of debenture debt, whether already used for that purpose or accumulated in a local sinking fund.

#### **Statement "B"**

The operating statements for the utilities are arranged alphabetically in the same way as the balance sheets. They show itemized revenues and expenses, and the provision made for depreciation and other reserves. The number of customers served in each of three classes is also shown. The item "Power purchased" in this statement is the net amount paid by the utility after adjustments have been made by the Commission, taking into consideration the difference between the interim rate charged (See Cost of Power Statement) and the actual cost of the power supplied to the municipality. Here again to facilitate early closing of their books, most of the utilities report the adjustments in the cost of power made in the previous year rather than those of the current year.

#### **Statement "C"**

This statement reports the local rates for domestic, commercial light, and power service in effect at December 31, 1952, both in the municipalities served by utilities and in those municipalities served by the Commission through its local systems. (See Group 3, page 30.)

#### **Statement "D"**

This statement gives for each utility the revenue, energy consumption, number of customers, average monthly bill, and average cost per kilowatt-hour both for domestic and commercial light service. For power service the statement gives the revenue, number of customers, and average of the monthly loads billed.

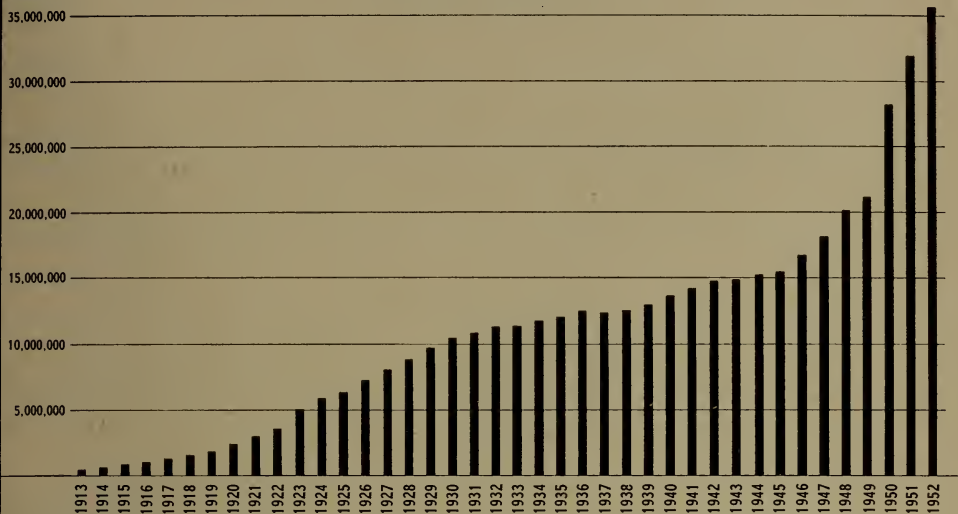
The utilities are classified according to the population of the municipalities they serve and are arranged alphabetically in four classes as follows:

(1) cities having a population of more than 10,000, (2) voted areas adjacent to

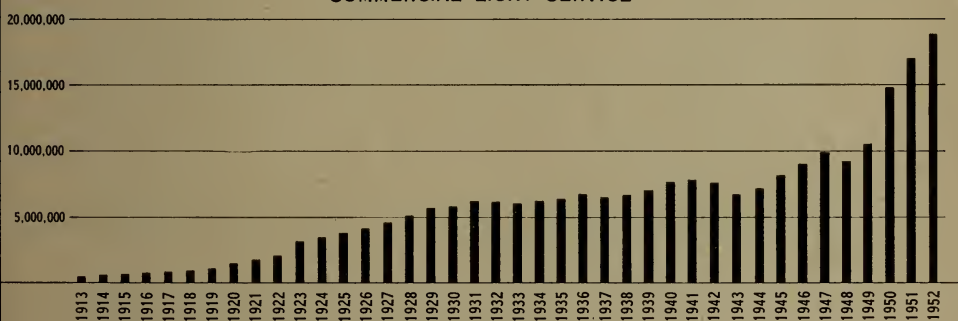
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MUNICIPAL ELECTRICAL UTILITIES  
FORTY YEARS REVENUES

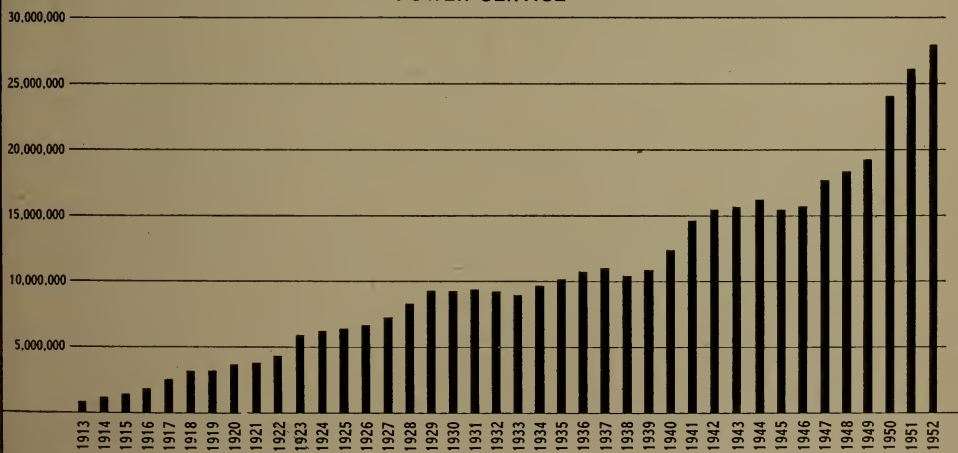
## DOLLARS DOMESTIC SERVICE



## DOLLARS COMMERCIAL LIGHT SERVICE



## DOLLARS POWER SERVICE



cities, (3) municipalities with population of more than 2,000, and (4) municipalities and other communities with populations of fewer than 2,000. Population figures are based on assessed population as given in the Municipal Directory for 1952 published by the Department of Municipal Affairs of Ontario.

## **Financial Summary**

### **Municipal Electrical Utilities**

Revenue received from customers was sufficient to meet in full all operating expenses, interest and debt retirement instalments, and standard depreciation in 319 utilities. The total surplus in these utilities after all these allowances was \$9,261,446. The remaining 8 utilities were able to defray out of revenues all such charges except a portion of the depreciation allocation amounting to \$18,637.

### **Operating Reports**

#### **Total Revenue**

The total revenue of the utilities in 1952 as shown in Statement "B" was \$90,059,039 as compared with \$82,311,681 in 1951, an increase of \$7,747,358 or 9.4 per cent.

#### **Total Expenditure**

The items of expenditure of the utilities included \$55,583,501 for power purchased for the most part from the Commission; \$17,886,623 for system operation, maintenance, and administration; \$989,789 for interest; \$991,598 for sinking fund and payment on debentures; and \$5,364,720 for depreciation and other reserves. Total expenses and reserve appropriations of \$80,816,231 exceeded the corresponding amount in 1951 by \$7,171,890 or 9.7 per cent.

#### **Total Net Surplus**

The utilities showed a net surplus in 1952 amounting to \$9,242,809 after provision was made for the above expenditures. This surplus exceeded that of 1951 by \$575,469 or 6.6 per cent.

#### **Southern Ontario System**

In the utilities of the Southern Ontario System alone the total revenue in 1952 was \$85,585,214 or 9.2 per cent greater than the revenue in 1951 which amounted to \$78,341,163. The total net surplus for the year amounted to \$8,781,906 as compared with \$8,324,421 in 1951, an increase of 5.5 per cent.

#### **Northern Ontario Properties**

The total revenue of the utilities served by the Northern Ontario Properties was \$4,473,826. The total net surplus for the year amounted to \$460,903. The revenue was 12.7 per cent greater than the revenue of \$3,970,518 in 1951, and the net surplus was 34.4 per cent greater than the surplus of \$342,919 in 1951.

## **Balance Sheets**

#### **Assets**

The gross investment in fixed assets of the utilities at December 31, 1952 amounted to \$193,795,886 against which there was an accumulated reserve for depreciation of \$50,985,329. The assets after deduction of this depreciation

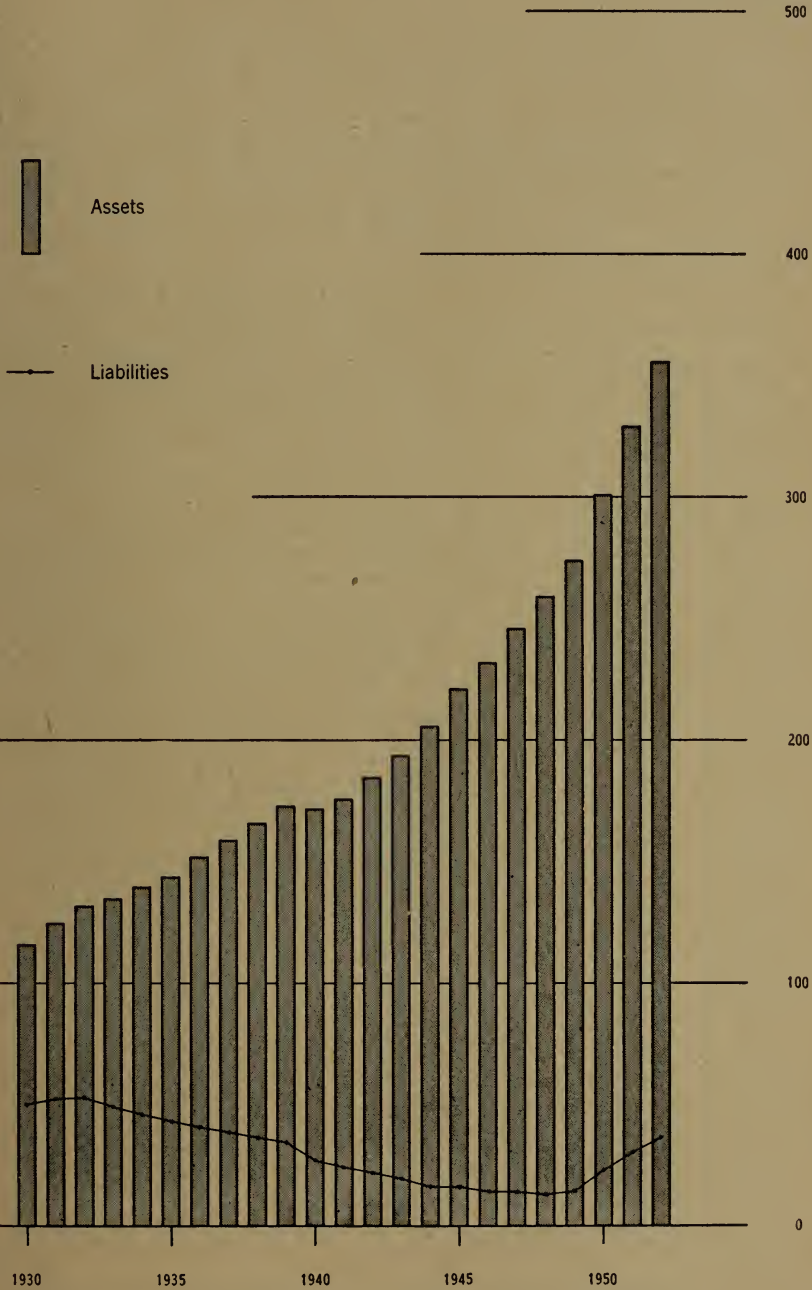


THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MUNICIPAL ELECTRICAL UTILITIES

TOTAL ASSETS AND TOTAL LIABILITIES

MILLION DOLLARS



amounted to \$305,343,051, of which \$128,655,935 represented the equity in the Commission's systems of those utilities operating under cost contracts with the Commission.

#### **Liabilities**

Total liabilities increased from \$30,240,911 at December 31, 1951 to \$36,297,274 at December 31, 1952. The major part of this increase is represented by the growth in the debenture debt made necessary by the major extensions to distribution systems being undertaken by the utilities. The net increase in debenture balance outstanding was \$5,269,719 as compared with a net increase in fixed assets amounting to \$20,073,429. It is evident that municipalities continued in 1952 to follow the long-established principle of financing capital improvements in large measure out of reserves and surplus. The total net debt at December 31, 1952 was equal to 15.8 per cent of total assets, exclusive of the utilities' equity in the Commission's systems.

#### **Southern Ontario System**

The gross investment in fixed assets of the utilities in the Southern Ontario System at December 31, 1952 amounted to \$185,026,231 against which there was an accumulated reserve for depreciation amounting to \$48,720,966. Assets of \$288,756,643 after deduction of this depreciation reserve include \$120,684,627 representing the equity of the utilities operating under cost contracts with the Commission.

#### **Northern Ontario Properties**

The gross investment in fixed assets of the utilities in the Northern Ontario Properties amounted to \$8,769,654 against which an accumulated reserve of \$2,264,363 has been provided for depreciation. Assets of \$16,586,408 after deduction of this depreciation reserve include \$7,971,308 representing the equity acquired by the utilities operating under cost contracts with the Commission.

## MUNICIPAL ELECTRICAL ACCOUNTS

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## CONSOLIDATED

Year . . . . .	1945	1946	1947
Number of municipalities included . . . .	304	304	304
<b>ASSETS</b>	\$	\$	\$
Lands and buildings . . . . .	11,879,469.56	11,830,325.45	12,220,747.92
Substation equipment . . . . .	26,201,620.92	26,778,943.63	28,430,102.81
Distribution system, overhead . . . . .	26,835,864.78	27,810,938.64	29,230,801.09
Distribution system, underground . . . .	6,539,797.63	6,848,694.50	7,400,874.88
Line transformers . . . . .	13,360,997.73	14,247,872.95	15,698,549.76
Meters . . . . .	11,742,720.68	12,325,105.86	13,112,187.77
Street light equipment, regular . . . . .	3,066,246.06	3,268,433.46	3,827,634.40
Street light equipment, ornamental . . . .	1,551,628.63	1,555,698.39	1,536,957.94
Miscellaneous construction expense . . . .	3,469,256.69	3,802,802.98	4,242,837.80
Steam or hydraulic plant . . . . .	1,005,980.83	1,080,730.83	1,080,976.81
Old plant . . . . .	692,517.55	658,421.95	587,479.45
Other capital assets . . . . .			
Total plant . . . . .	106,346,101.06	110,207,968.64	117,369,150.63
Less reserve for depreciation . . . . .	36,331,919.08	38,253,203.71	40,146,511.52
	70,014,181.98	71,954,764.93	77,222,639.11
Bank and cash balance . . . . .	1,744,827.39	3,584,075.84	2,759,333.88
Securities and investments . . . . .	27,530,379.33	27,152,189.81	27,721,988.41
Accounts receivable . . . . .	3,682,108.35	4,133,184.23	4,381,276.48
Inventories . . . . .	1,735,925.21	2,193,231.80	3,140,379.57
Sinking fund on local debentures . . . . .	4,952,718.62	4,609,214.16	4,387,586.13
Other assets . . . . .	290,022.85	326,083.52	543,728.14
Frequency standardization expenditure in suspense . . . . .			
	109,950,163.73	113,952,744.29	120,156,931.72
Equity in H-E.P.C. systems . . . . .	75,002,351.38	80,670,336.85	86,574,096.81
Total . . . . .	184,952,515.11	194,623,081.14	206,731,028.53
<b>LIABILITIES</b>			
Debenture balance . . . . .	10,612,595.02	9,049,583.60	7,947,290.14
Accounts payable . . . . .	2,528,081.42	2,267,268.71	3,028,306.12
Bank overdraft . . . . .	429,585.64	355,417.71	613,465.91
Other liabilities . . . . .	2,707,515.21	2,636,251.52	2,642,971.05
Total liabilities . . . . .	16,277,777.29	14,308,521.54	14,232,033.22
<b>RESERVES</b>			
For equity in H-E.P.C. systems . . . . .	75,002,351.38	80,670,336.85	86,574,096.81
Other reserves . . . . .	6,979,074.47	7,356,359.46	5,788,442.87
	81,981,425.85	88,026,696.31	92,362,539.68
<b>SURPLUS</b>			
Debentures paid . . . . .	47,340,018.06	48,935,858.04	50,208,313.28
Local sinking fund . . . . .	4,952,718.62	4,609,214.16	4,387,586.13
Operating surplus . . . . .	34,400,575.29	38,742,791.09	45,540,556.22
Net frequency standardization expense charged this year . . . . .			
Total surplus . . . . .	86,693,311.97	92,287,863.29	100,136,455.63
Total . . . . .	184,952,515.11	194,623,081.14	206,731,028.53

## BALANCE SHEETS

1948	1949	1950	1951	1952
308	315	321	324	327
\$	\$	\$	\$	\$
12,981,533.46	13,759,701.81	16,659,377.57	18,575,200.20	21,331,827.33
29,626,621.36	32,405,939.81	36,684,736.84	41,489,688.84	44,818,917.42
31,541,077.08	34,325,936.81	39,435,443.26	43,521,167.44	48,936,112.16
8,040,205.01	8,663,874.53	9,880,526.08	10,554,818.60	11,985,221.93
17,593,431.84	19,267,220.87	22,639,038.94	25,596,437.39	29,683,581.03
13,948,013.24	15,050,359.45	16,857,378.24	18,239,365.71	19,850,925.86
4,486,158.98	4,847,993.56	5,271,825.19	5,927,660.80	6,772,165.42
1,558,798.17	1,564,378.72			
4,290,247.58	4,608,566.91	5,234,089.19	5,961,347.63	6,531,604.30
1,457,291.81	1,478,544.77	3,322,767.89	3,313,781.93	3,505,149.49
573,313.04	773,261.68	162,880.55	542,988.37	102,266.64
				278,114.00
126,096,691.57	136,745,778.92	156,148,063.75	173,722,456.91	193,795,885.58
41,962,273.09	43,893,598.38	46,310,558.56	48,087,416.88	50,985,328.59
84,134,418.48	92,852,180.54	109,837,505.19	125,635,040.03	142,810,556.99
3,480,104.26	2,654,186.08	2,807,734.27	3,276,778.98	4,667,729.07
26,691,542.33	24,109,961.67	19,706,944.56	16,291,592.69	11,542,720.01
3,987,098.82	4,878,682.68	6,922,076.43	7,727,032.69	7,386,627.75
3,814,953.93	4,229,137.22	5,114,209.37	7,514,369.31	8,001,402.81
1,795,295.61	569,497.99	592,491.22	613,435.37	388,409.83
541,982.60	1,089,348.62	917,535.55	787,656.78	795,718.70
	155,744.87	767,592.91	848,580.09	1,093,950.06
124,445,396.03	130,538,739.67	146,666,089.50	162,694,485.94	176,687,115.22
92,889,067.86	100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37
217,334,463.89	230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59
5,297,137.36	4,545,744.63	14,069,133.05	18,889,520.06	24,159,238.87
3,813,817.24	5,666,357.71	5,906,614.43	7,653,317.92	8,918,225.06
839,973.70	943,682.84	1,470,416.79	2,085,158.47	1,456,977.43
2,841,344.30	2,984,132.94	1,489,028.47	1,612,914.06	1,762,832.81
12,792,272.60	14,139,918.12	22,935,192.74	30,240,910.51	36,297,274.17
92,889,067.86	100,051,662.98	108,475,000.19	118,269,170.96	128,655,935.37
4,545,757.39	4,673,978.72	4,314,186.14	5,628,316.81	8,008,751.79
97,434,825.25	104,725,641.70	112,789,186.33	123,897,487.77	136,664,687.16
53,457,629.91	55,525,205.90	56,534,877.64	59,434,311.73	60,260,350.13
1,795,295.61	569,497.99	592,491.22	613,435.37	388,409.83
51,854,440.52	55,638,367.30	62,522,124.72	67,511,314.72	72,374,287.61
	8,228.36	232,782.96	733,803.20	641,958.31
107,107,366.04	111,724,842.83	119,416,710.62	126,825,258.62	132,381,089.26
217,334,463.89	230,590,402.65	255,141,089.69	280,963,656.90	305,343,050.59

## CONSOLIDATED

YEAR.....	1945	1946	1947
Number of municipalities included.....	304	304	304
<b>EARNINGS</b>	\$	\$	\$
Domestic service.....	15,543,145.28	16,852,308.83	18,172,574.54
Commercial light service.....	8,150,923.90	8,979,037.16	9,819,043.11
Commercial power service.....	15,544,085.89	15,707,154.73	17,613,525.22
Municipal power.....	2,134,062.24	2,161,079.81	2,216,812.71
Street lighting.....	1,922,281.13	1,975,024.68	2,057,215.86
Merchandise.....	65,590.57	179,252.65	233,117.94
Miscellaneous.....	1,097,719.02	1,210,440.76	1,267,485.38
Total earnings.....	44,457,808.03	47,064,298.62	51,379,774.76
<b>EXPENSES</b>			
Power purchased.....	26,633,166.70	29,131,997.88	31,760,128.32
Substation operation.....	654,305.46	753,931.65	855,965.41
Substation maintenance.....	423,473.57	444,276.75	475,837.06
Distribution system, operation and maintenance.....	1,243,381.36	1,404,441.08	1,628,081.77
Line transformer maintenance.....	155,240.82	168,429.61	219,164.00
Meter maintenance.....	470,203.18	528,810.47	607,758.38
Consumers' premises expenses.....	581,603.20	699,773.37	822,675.89
Street lighting, operation and maintenance.....	487,565.20	493,443.23	547,556.40
Promotion of business.....	171,063.89	183,606.79	231,488.57
Billing and collecting.....	1,305,542.48	1,428,246.45	1,643,780.22
General office, salaries and expenses.....	1,201,915.79	1,319,972.30	1,521,688.93
Undistributed expense.....	640,831.75	831,176.06	840,075.97
Truck operation and maintenance.....	123,720.21	147,458.42	202,997.29
Interest.....	710,300.94	525,588.16	423,041.93
Sinking fund and principal payments on debentures.....	1,255,825.57	1,239,108.29	992,793.11
Depreciation.....	2,736,906.64	2,824,871.68	3,002,877.86
Other reserves.....	1,216,822.19	1,503,255.70	1,478,990.80
Total operating costs and fixed charges.....	40,011,868.95	43,628,387.89	47,254,901.91
Net surplus.....	4,445,939.08	3,435,910.73	4,124,872.85
<b>NUMBER OF CUSTOMERS</b>			
Domestic service.....	590,723	606,046	625,705
Commercial light service.....	81,118	85,400	87,937
Power service.....	14,339	15,115	15,867
Total.....	686,180	706,561	729,509



## OPERATING REPORTS

1948	1949	1950	1951	1952
308	315	321	324	327
\$	\$	\$	\$	\$
19,506,499.27	21,137,834.75	28,066,402.91	31,977,317.76	35,719,556.00
9,766,500.29	10,444,393.84	14,690,733.78	17,033,595.94	18,883,646.21
18,235,664.95	19,178,070.91	23,873,159.20	26,172,943.55	27,969,600.46
2,343,112.69	2,475,539.80	2,907,974.03	3,011,056.35	3,120,077.38
2,153,034.35	2,219,551.02	2,552,755.74	2,769,300.03	3,051,561.67
221,544.94	216,734.17	216,549.51	100,096.18	95,209.20
1,268,351.70	1,231,076.24	1,215,956.41	1,247,371.11	1,219,388.54
53,494,708.19	56,903,200.73	73,523,531.58	82,311,680.92	90,059,039.46
32,432,823.73	36,225,068.75	46,400,040.72	50,854,323.41	55,583,500.98
1,019,515.46	1,126,138.22	1,441,553.66	1,648,120.74	1,812,532.71
595,059.49	626,041.76	679,136.10	758,392.52	867,073.89
1,967,371.30	2,110,892.72	2,682,034.57	3,070,534.44	3,422,084.98
249,212.31	279,383.13	335,739.15	423,156.46	523,767.55
699,593.39	751,382.32	762,974.01	849,951.63	973,728.31
1,005,146.07	1,061,668.85	1,243,611.94	1,430,859.05	1,546,966.93
602,995.88	688,584.31	705,830.91	755,502.07	845,581.99
343,395.13	282,618.04	277,190.88	319,888.95	331,117.86
1,872,644.99	2,077,074.94	2,382,607.11	2,776,376.16	3,088,533.47
1,814,028.57	1,961,727.80	2,162,662.43	2,487,764.68	2,893,011.38
803,047.22	833,337.54	1,331,333.41	1,699,441.87	1,333,142.85
243,560.50	269,151.54	302,310.53	240,376.40	249,081.16
339,213.78	305,084.60	497,138.36	675,630.04	989,788.76
903,443.37	842,182.95	980,917.96	849,300.82	991,597.62
3,278,262.63	3,631,483.76	4,076,473.95	4,717,496.55	5,293,508.78
1,051,522.24	634,690.02	1,769,378.03	87,225.06	71,211.41
49,220,836.06	53,706,511.25	68,030,933.72	73,644,340.85	80,816,230.63
4,273,872.13	3,196,689.48	5,492,597.86	8,667,340.07	9,242,808.83
649,220	684,417	745,422	778,517	811,233
91,382	94,881	104,122	107,416	111,169
16,439	17,184	18,372	18,947	19,573
757,041	796,482	867,916	904,880	941,975

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	5,274.58			47,522.87	
Substation equipment.....	1,958.36				
Distribution system, overhead.....	53,459.11	24,673.73	12,595.53	48,170.18	47,997.49
Distribution system, underground.....					
Line transformers.....	33,391.44	19,821.50	7,274.94	28,996.19	22,465.82
Meters.....	21,663.03	9,194.98	4,881.36	15,357.31	20,248.56
Street light equipment, regular.....	9,037.85	5,891.12	535.35	4,614.69	6,165.77
Miscellaneous construction expense	3,697.09	23.30	34.01	1,787.87	1,625.49
Steam or hydraulic plant.....					
Old plant.....					7,846.49
Other capital assets.....					
Total plant.....	128,481.46	59,604.63	25,321.19	146,449.11	106,349.62
Less reserve for depreciation.....	17,341.42	7,081.23	1,815.13	23,182.90	17,978.38
	111,140.04	52,523.40	23,506.06	123,266.21	88,371.24
Bank and cash balance.....	4,947.58	3,176.25	627.98	1,885.82	10,752.10
Securities and investments.....	2,000.00	2,500.00	2,500.00	13,000.00	22,000.00
Accounts receivable.....	3,093.29	1,563.96	716.00	994.43	1,495.99
Inventories.....	1,283.78				5,305.25
Sinking fund on local debentures.....					
Other assets.....	443.68				1,365.74
Frequency standardization expenditure in suspense.....	436.47				
	123,344.84	59,763.61	27,350.04	139,146.46	129,290.32
Equity in H-E.P.C. systems.....	177,560.18	29,410.52	31,553.26	63,611.56	58,430.13
Total.....	300,905.02	89,174.13	58,903.30	202,758.02	187,720.45
<b>LIABILITIES</b>					
Debenture balance.....					
Accounts payable.....	667.98	3,969.61	5,087.26	12,190.59	316.43
Bank overdraft.....					
Other liabilities.....	2,333.19	510.00	125.00	2,380.81	1,049.00
Total liabilities.....	3,001.17	4,479.61	5,212.26	14,571.40	1,365.43
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	177,560.18	29,410.52	31,553.26	63,611.56	58,430.13
Other reserves.....		47.23			100.00
	177,560.18	29,457.75	31,553.26	63,611.56	58,530.13
<b>SURPLUS</b>					
Debentures paid.....	14,500.00	8,072.65	6,883.38	38,299.23	37,736.04
Local sinking fund.....					
Operating surplus.....	105,843.67	47,164.12	16,934.17	86,275.83	90,088.85
Net frequency standardization expense charged this year.....			1,679.77		
Total surplus.....	120,343.67	55,236.77	22,137.78	124,575.06	127,824.89
Total.....	300,905.02	89,174.13	58,903.30	202,758.02	187,720.45

Statement A includes 327 municipalities of group 1, see page 30.

## Utilities as at December 31, 1952

Almonte	Alvinston	Amherstburg	Ancaster Twp. (V.A.)	Apple Hill	Arkona	Arnprior
\$	\$	\$	\$	\$	\$	\$
11,234.79	1,925.04		354.71	169.06		8,241.00
24,581.90						
44,437.12	25,310.29	66,841.67	68,754.58	8,046.05	12,578.18	60,896.25
		657.77				
25,876.00	5,881.62	57,552.06	27,076.77	2,887.91	7,240.26	45,744.78
17,183.33	5,882.90	26,667.80	16,004.92	1,845.74	4,578.54	26,626.20
9,337.52	1,473.27	3,598.27	1,940.76	421.12	1,378.88	45,291.16
1,241.21	230.24	3,156.80	5,307.04	7.85	87.76	292.39
110,647.67						
244,539.54	40,703.36	158,474.37	119,438.78	13,377.73	25,863.62	187,091.78
60,490.24	10,729.21	46,194.97	11,835.43	1,901.33	6,319.34	8,635.19
184,049.30	29,974.15	112,279.40	107,603.35	11,476.40	19,544.28	178,456.59
27,731.06	751.53	2,307.54		1,869.07	2,168.21	8,177.67
32,000.00	4,500.00	14,350.00		2,500.00	500.00	
3,208.65	441.85	4,466.34	7,710.32	25.19	749.63	1,469.11
6,519.61		12,398.38	97.70			12,767.20
		56.00	127.00			
			6.00			
253,508.62	35,667.53	145,857.66	115,544.37	15,870.66	22,962.12	200,870.57
10,963.18	31,726.33	135,864.01	44,905.28	7,128.69	14,818.30	50,616.30
264,471.80	67,393.86	281,721.67	160,449.65	22,999.35	37,780.42	251,486.87
8,325.86			26,836.08			
3,565.41	0.10	2,700.61	16,448.54	228.57	855.70	11,258.19
			5,777.58			
758.31	94.38	888.34	294.32			3,531.23
12,649.58	94.48	3,588.95	49,356.52	228.57	855.70	14,789.42
10,963.18	31,726.33	135,864.01	44,905.28	7,128.69	14,818.30	50,616.30
1,536.63	59.50	787.10	48.02			
12,499.81	31,785.83	136,651.11	44,953.30	7,128.69	14,818.30	50,616.30
63,674.14	23,529.24	32,053.60	17,274.20	5,080.12	13,112.83	55,469.13
175,648.27	11,984.31	109,490.11	48,865.63	10,561.97	10,378.89	130,612.02
		62.10			1,385.30	
239,322.41	35,513.55	141,481.61	66,139.83	15,642.09	22,106.42	186,081.15
264,471.80	67,393.86	281,721.67	160,449.65	22,999.35	37,780.42	251,486.87



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....			24,860.82	11,196.61	125.00
Substation equipment.....			1,491.05	5,125.60	
Distribution system, overhead....	25,256.70	19,880.09	58,920.31	52,792.38	15,800.29
Distribution system, underground..					
Line transformers.....	16,251.27	6,479.70	41,648.77	52,822.64	11,294.84
Meters.....	9,502.91	5,203.59	28,245.27	26,573.40	6,224.85
Street light equipment, regular....	2,486.27	3,907.13	8,747.77	12,179.62	1,189.78
Miscellaneous construction expense	1,323.13	44.68	16,834.16	6,384.06	131.14
Steam or hydraulic plant.....					
•Old plant.....	1,086.62				
Other capital assets.....					
Total plant.....	55,906.90	35,515.19	180,748.15	167,074.31	34,765.90
Less reserve for depreciation.....	14,168.29	4,300.31	33,031.66	38,650.52	9,319.50
	41,738.61	31,214.88	147,716.49	128,423.79	25,446.40
Bank and cash balance.....	5,891.14	14,086.99	6,106.60	4,332.90	1,699.24
Securities and investments.....	4,000.00	9,000.00			14,000.00
Accounts receivable.....	331.61	1,455.43	482.42	2,215.09	1,203.59
Inventories.....			168.84	325.24	
Sinking fund on local debentures..					
Other assets.....			70.00	68.00	15.00
Frequency standardization expenditure in suspense.....					
	51,961.36	55,757.30	154,544.35	135,365.02	42,364.23
Equity in H-E.P.C. systems.....	41,636.16	15,885.40	42,525.79	112,032.38	35,078.40
Total.....	93,597.52	71,642.70	197,070.14	247,397.40	77,442.63
<b>LIABILITIES</b>					
Debenture balance.....	1,126.56				
Accounts payable.....	512.27	1,236.76	27,069.74	2,095.34	73.43
Bank overdraft.....					
Other liabilities.....	337.60		1,330.41	1,490.66	83.64
Total liabilities.....	1,976.43	1,236.76	28,400.15	3,586.00	157.07
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	41,636.16	15,885.40	42,525.79	112,032.38	35,078.40
Other reserves.....		206.06	50.00	778.57	
	41,636.16	16,091.46	42,575.79	112,810.95	35,078.40
<b>SURPLUS</b>					
Debentures paid.....	23,873.44	12,988.39		38,701.92	17,503.38
Local sinking fund.....					
Operating surplus.....	26,111.49	41,326.09	126,094.20	92,298.53	24,703.78
Net frequency standardization expense charged this year.....					
Total surplus.....	49,984.93	54,314.48	126,094.20	131,000.45	42,207.16
Total.....	93,597.52	71,642.70	197,070.14	247,397.40	77,442.63

## Utilities as at December 31, 1952

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
\$	\$	\$	\$	\$	\$	\$
882.40		137,988.46			176.13	
		135,462.57				
14,455.97	21,396.04	160,621.23	16,755.36	13,220.25	35,266.64	27,601.71
		66,582.89				
7,811.08	12,409.15	120,787.67	8,602.77	5,285.40	11,439.55	19,831.43
6,037.59	8,497.51	103,674.47	5,288.97	2,765.24	6,236.85	12,565.80
830.96	2,319.92	17,258.70	1,625.32	1,153.04	875.09	3,727.71
241.79	595.23	650.00	91.35	27.00	1,540.89	
	108,417.83					
			2,500.00			
30,259.79	153,635.68	743,025.99	34,863.77	22,450.93	55,535.15	63,726.65
6,102.78	29,590.95	191,449.81	744.31	4,934.20	11,443.24	15,523.88
24,157.01	124,044.73	551,576.18	34,119.46	17,516.73	44,091.91	48,202.77
12,230.54	4,676.29	33,652.93	7,676.48	2,036.43		1,862.86
6,500.00					9,000.00	22,000.00
107.25	4,587.72	5,167.38	236.15	199.76	315.61	319.71
	2,674.95	14,784.69				
		399.64				
						165.00
42,994.80	135,983.69	605,580.82	42,032.09	19,752.92	53,407.52	72,550.34
71,041.34	1,626.10	388,825.29	744.11	6,210.21	93,742.27	25,001.85
114,036.14	137,609.79	994,406.11	42,776.20	25,963.13	147,149.79	97,552.19
	36,750.00		4,305.78			
	1,468.52	1,058.51	53.67	274.53	4,498.93	3,992.32
					1,073.77	
10.00	252.00	6,816.96		258.00		774.83
10.00	37,470.52	7,875.47	4,359.45	532.53	5,572.70	4,767.15
71,041.34	1,626.10	388,825.29	744.11	6,210.21	93,742.27	25,001.85
		421.85				
71,041.34	1,626.10	389,247.14	744.11	6,210.21	93,742.27	25,001.85
5,000.00	30,750.00	65,365.68	5,694.22	7,500.00	5,536.66	37,500.00
37,984.80	67,763.17	531,917.82	31,978.42	11,720.39	42,298.16	30,283.19
42,984.80	98,513.17	597,283.50	37,672.64	19,220.39	47,834.82	67,783.19
114,036.14	137,609.79	994,406.11	42,776.20	25,963.13	147,149.79	97,552.19

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville	Blenheim
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	299.50		3,241.50	45,905.53	14,874.79
Substation equipment.....				191,186.85	1,264.64
Distribution system, overhead....	28,269.47	19,231.53	33,675.09	254,885.75	70,399.00
Distribution system, underground..					
Line transformers.....	17,376.12	5,934.51	11,778.18	109,356.94	43,228.37
Meters.....	10,442.79	4,672.43	9,486.79	127,684.17	23,548.09
Street light equipment, regular....	3,059.88	3,817.30	3,454.84	56,416.68	9,219.29
Miscellaneous construction expense	227.82	263.64	1,711.17	21,682.67	193.70
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	59,675.58	33,919.41	63,347.57	807,118.59	162,727.88
Less reserve for depreciation.....	20,101.93	5,658.14	16,179.56	138,880.37	23,486.34
	39,573.65	28,261.27	47,168.01	668,238.22	139,241.54
Bank and cash balance.....	2,920.65	3,548.78	815.70	23,927.44	5,281.97
Securities and investments.....	7,200.00	1,000.00	2,000.00	85,000.00	4,000.00
Accounts receivable.....	242.79	31.80	703.18	30,920.57	931.22
Inventories.....	170.71	12.60		35,274.68	2,254.44
Sinking fund on local debentures..					
Other assets.....	700.00	50.00	10.56		136.83
Frequency standardization expendi- ture in suspense.....					
	50,807.80	32,904.45	50,697.45	843,360.91	151,846.00
Equity in H-E.P.C. systems.....	44,357.56	31,918.40	27,346.84	496,628.63	86,662.90
Total.....	95,165.36	64,822.85	78,044.29	1,339,989.54	238,508.90
LIABILITIES					
Debenture balance.....					30,000.00
Accounts payable.....	382.37	3,135.74	5,604.88		
Bank overdraft.....					
Other liabilities.....	433.32	150.00	435.00	21,462.47	315.00
Total liabilities.....	815.69	3,285.74	6,039.88	21,462.47	30,315.00
RESERVES					
For equity in H-E.P.C. systems....	44,357.56	31,918.40	27,346.84	496,628.63	86,662.90
Other reserves.....	400.00	86.50		4,648.88	1,836.08
	44,757.56	32,004.90	27,346.84	501,277.51	88,498.98
SURPLUS					
Debentures paid.....	12,839.34	13,610.31	8,500.00	174,997.19	14,000.00
Local sinking fund.....					
Operating surplus.....	36,752.77	15,921.90	36,157.57	642,252.37	105,694.92
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	49,592.11	29,532.21	44,657.57	817,249.56	119,694.92
Total.....	95,165.36	64,822.85	78,044.29	1,339,989.54	238,508.90



## Utilities as at December 31, 1952

Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford
\$	\$	\$	\$	\$	\$	\$
12,523.11	16,519.60	740.00 33,763.10	20,223.47	12,703.96	62,225.01 137,407.63 95,102.43	5,710.06 48,104.14
3,890.71	10,195.96	12,938.53	16,362.35	9,823.45	34,649.00	25,225.42
4,661.55	5,115.20	12,259.21	8,410.93	5,663.73	38,447.36	15,737.38
3,437.51	1,579.68	6,563.98	1,104.91	4,764.50	12,354.16	5,765.55
	312.95	805.76	19.04	83.82	10,099.97	2,141.55
		75,000.00				
24,512.88	33,723.39	142,070.58	46,120.70	33,039.46	389,925.56	102,684.10
11,739.57	8,018.91	40,988.81	8,317.36	9,707.21	97,460.62	15,191.41
12,773.31	25,704.48	101,081.77	37,803.34	23,332.25	292,464.94	87,492.69
2,795.79	1,372.27	7,493.26	2,987.27	1,118.94	1,314.12	19,387.09
23,000.00	8,000.00			8,000.00	75,000.00	2,500.00
311.53	164.37	7,124.53	393.88	757.25	2,489.20	405.21
		2,864.89	353.00		19,176.96	4,954.45
			10.00		669.49	256.00
	4,702.77					
38,880.63	39,943.89	118,564.45	41,547.49	33,208.44	391,114.71	114,995.44
16,018.51	24,185.52	4,639.23	38,480.63	35,079.62	193,012.16	43,596.09
54,899.14	64,129.41	123,203.68	80,028.12	68,288.06	584,126.87	158,591.53
		25,072.23				
	436.80	1,241.37		3,940.82	349.55	614.45
256.00	158.79	650.00	316.39	100.95	2,143.47	1,257.44
256.00	595.59	26,963.60	316.39	4,041.77	2,493.02	1,871.89
16,018.51	24,185.52	4,639.23	38,480.63 70.60	35,079.62	193,012.16	43,596.09 29.88
16,018.51	24,185.52	4,639.23	38,551.23	35,079.62	193,012.16	43,625.97
9,796.58	16,032.52	64,927.77	12,500.00	5,534.19	71,000.00	23,351.06
28,828.05	23,315.78	26,673.08	28,660.50	23,632.48	317,621.69	89,742.61
38,624.63	39,348.30	91,600.85	41,160.50	29,166.67	388,621.69	113,093.67
54,899.14	64,129.41	123,203.68	80,028.12	68,288.06	584,126.87	158,591.53

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Braeside	Brampton	Brantford	Brantford Twp. (V.A.)	Brechin
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....		6,358.75	217,449.36	5,504.95	
Substation equipment.....		81,215.65	395,292.57	96,059.05	
Distribution system, overhead....	8,849.53	111,366.19	436,705.79	230,880.21	1,906.19
Distribution system, underground..			21,765.68		
Line transformers.....	3,560.34	107,995.02	404,421.40	106,768.57	2,389.12
Meters.....	2,794.18	61,048.91	272,431.36	76,284.26	1,370.41
Street light equipment, regular....	184.14	16,105.91	64,972.55	17,330.36	197.38
Miscellaneous construction expense		3,275.05	60,778.41	15,254.85	
Steam or hydraulic plant.....			6,000.00		
Old plant.....					
Other capital assets.....					
Total plant.....	15,388.19	387,365.48	1,879,817.12	548,082.25	5,863.10
Less reserve for depreciation.....	123.94	101,646.93	547,274.45	92,611.25	1,295.47
	15,264.25	285,718.55	1,332,542.67	455,471.00	4,567.63
Bank and cash balance.....	2,319.61	50.00	82,969.34	31,125.81	2,308.27
Securities and investments.....		31,500.00	33,000.00	25,000.00	9,000.00
Accounts receivable.....	1,134.30	3,372.50	63,347.66	3,122.60	99.11
Inventories.....		11,725.88	82,619.14	12,402.16	24.42
Sinking fund on local debentures..					
Other assets.....			8,120.46	517.00	60.00
Frequency standardization expendi- ture in suspense.....		445.74	11,823.14	2,235.00	
	18,718.16	332,812.67	1,614,422.41	529,873.57	16,059.43
Equity in H-E.P.C. systems.....	4,204.93	388,221.35	2,180,371.86	118,761.61	14,631.87
Total.....	22,923.09	721,034.02	3,794,794.27	648,635.18	30,691.30
LIABILITIES					
Debenture balance.....	4,143.36		150,000.00	193,689.93	
Accounts payable.....	1,053.75	2,604.34	17,800.00	1,833.26	363.32
Bank overdraft.....		12,047.88			
Other liabilities.....	135.00	3,065.00	34,081.35	2,939.61	40.00
Total liabilities.....	5,332.11	17,717.22	201,881.35	198,462.80	403.32
RESERVES					
For equity in H-E.P.C. systems....	4,204.93	388,221.35	2,180,371.86	118,761.61	14,631.87
Other reserves.....		578.23	9,351.79	1,573.60	3.93
	4,204.93	388,799.58	2,189,723.65	120,335.21	14,635.80
SURPLUS					
Debentures paid.....	1,856.64	69,050.64	530,000.00	93,435.73	2,664.00
Local sinking fund.....					
Operating surplus.....	11,529.41	245,466.58	873,189.27	236,401.44	12,988.18
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	13,386.05	314,517.22	1,403,189.27	329,837.17	15,652.18
Total.....	22,923.09	721,034.02	3,794,794.27	648,635.18	30,691.30

## Utilities as at December 31, 1952

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
\$	\$	\$	\$	\$	\$	\$
.....	1,482.03	600.00	70,673.24	.....	.....	802.00
23,572.48	12,925.36	37,832.66	197,295.22	.....	.....	.....
.....	.....	.....	119,797.78	29,904.14	26,245.00	17,511.50
11,079.49	5,602.07	15,429.69	101,463.28	13,443.20	12,132.01	12,258.49
7,562.34	5,195.14	13,541.29	78,443.95	9,083.70	7,087.66	8,286.64
3,274.60	509.23	1,721.34	52,252.12	2,226.00	1,819.64	1,673.53
38.16	48.82	905.18	4,244.02	427.95	151.52	296.36
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
45,527.07	25,762.65	70,030.16	624,169.61	55,084.99	47,435.83	40,828.52
12,575.11	6,680.80	10,401.66	150,947.83	10,533.58	4,041.61	9,271.64
32,951.96	19,081.85	59,628.50	473,221.78	44,551.41	43,394.22	31,556.88
1,763.32	3,705.60	331.74	12,118.43	.....	5,938.28	.....
.....	5,500.00	10,000.00	12,000.00	.....	.....	4,000.00
519.12	125.61	716.45	14,568.66	1,045.76	395.90	680.27
.....	.....	4,199.67	8,047.65	1,168.25	.....	285.10
60.00	.....	.....	453.61	.....	.....	78.00
192.47	.....	.....	.....	.....	4,817.82	.....
35,486.87	28,413.06	74,876.36	520,410.13	46,765.42	54,546.22	36,600.25
18,392.61	24,850.35	35,294.94	459,598.28	.....	30,913.56	33,038.01
53,879.48	53,263.41	110,171.30	980,008.41	46,765.42	85,459.78	69,638.26
.....	.....	.....	.....	.....	.....	.....
804.63	28.64	139.12	2,164.90	2,250.43	27.80	782.40
.....	.....	.....	.....	450.46	.....	248.22
250.00	40.00	1,025.39	7,448.19	288.00	101.55	136.30
1,054.63	68.64	1,164.51	9,613.09	2,988.89	129.35	1,166.92
18,392.61	24,850.35	35,294.94	459,598.28	.....	30,913.56	33,038.01
.....	97.24	.....	2,532.89	100.00	.....	.....
18,392.61	24,947.59	35,294.94	462,131.17	100.00	30,913.56	33,038.01
12,368.03	8,000.00	25,000.00	174,869.92	.....	21,000.00	9,000.00
22,064.21	20,247.18	48,711.85	333,394.23	43,676.53	33,416.87	26,433.33
.....	.....	.....	.....	.....	.....	.....
34,432.24	28,247.18	73,711.85	508,264.15	43,676.53	54,416.87	35,433.33
53,879.48	53,263.41	110,171.30	980,008.41	46,765.42	85,459.78	69,638.26



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Burgess- ville	Burks Falls	Burlington	Caledonia	Campbell- ville
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....			24,153.58	810.04	
Substation equipment.....					
Distribution system, overhead.....	6,386.43	30,905.61	165,264.58	32,711.89	3,604.75
Distribution system, underground.....					
Line transformers.....	5,167.85	13,720.83	78,146.98	21,621.34	2,866.81
Meters.....	1,695.23	3,781.84	47,600.15	13,546.67	1,428.10
Street light equipment, regular.....	261.02	3,129.50	9,923.74	4,541.30	744.58
Miscellaneous construction expense.....	20.00	1,117.88	19,258.54	3,289.94	
Steam or hydraulic plant.....					
Old plant.....		5,478.48			
Other capital assets.....					
Total plant.....	13,530.53	58,134.14	344,347.57	76,521.18	8,644.24
Less reserve for depreciation.....	5,271.59	3,834.00	25,710.47	11,440.04	2,846.41
	8,258.94	54,300.14	318,637.10	65,081.14	5,797.83
Bank and cash balance.....	2,000.56	664.60	68,478.26	2,244.12	1,108.49
Securities and investments.....	2,800.00		2,600.00	200.00	3,600.00
Accounts receivable.....	44.67	745.22	4,352.61	595.12	196.19
Inventories.....		85.20	24,201.40	2,456.28	
Sinking fund on local debentures.....					
Other assets.....	110.00			50.00	
Frequency standardization expenditure in suspense.....	39.00		390.00		43.00
	13,253.17	55,795.16	418,659.37	70,626.66	10,745.51
Equity in H-E.P.C. systems.....	11,855.61	945.23	40,385.63	51,903.55	6,908.92
Total.....	25,108.78	56,740.39	459,045.00	122,530.21	17,654.43
<b>LIABILITIES</b>					
Debenture balance.....		29,365.69	181,168.66	3,000.00	
Accounts payable.....	128.26	5,928.64	60.90	1,810.14	77.84
Bank overdraft.....					
Other liabilities.....	10.00	15.00	7,380.44	560.69	
Total liabilities.....	138.26	35,309.33	188,610.00	5,370.83	77.84
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	11,855.61	945.23	40,385.63	51,903.55	6,908.92
Other reserves.....					
	11,855.61	945.23	40,385.63	51,903.55	6,908.92
<b>SURPLUS</b>					
Debentures paid.....	3,500.00	5,634.31	79,331.34	6,624.00	5,447.77
Local sinking fund.....					
Operating surplus.....	9,614.91	14,851.52	150,718.03	58,631.83	5,219.90
Net frequency standardization expense charged this year.....					
Total surplus.....	13,114.91	20,485.83	230,049.37	65,255.83	10,667.67
Total.....	25,108.78	56,740.39	459,045.00	122,530.21	17,654.43

## Utilities as at December 31, 1952

Cannington	Cardinal	Carleton Place	Cayuga	Chatham	Chatsworth	Chesley
\$	\$	\$	\$	\$	\$	\$
		13,390.32		389,663.53	364.89	6,000.00
		16,415.55		266,643.68		2,305.58
19,237.36	21,174.73	60,177.74	29,450.70	345,594.27	7,352.60	41,151.24
				192,417.73		
11,092.75	11,600.61	27,289.07	11,384.46	216,808.58	4,738.88	20,034.48
8,119.37	7,181.36	29,843.18	7,535.58	137,493.33	3,664.63	14,277.65
4,174.07	1,312.08	7,853.79	2,578.84	52,523.73	3,746.72	5,509.64
	36.82	674.55	1,140.12	72,286.59	36.36	1,446.74
42,623.55	41,305.60	155,644.20	52,089.70	1,673,431.44	19,904.08	90,725.33
13,801.94	4,466.88	32,284.26	9,751.80	313,383.55	4,535.35	22,657.34
28,821.61	36,838.72	123,359.94	42,337.90	1,360,047.89	15,368.73	68,067.99
1,091.42	1,770.85	5,924.83	3,121.60	50.00	2,608.27	15.00
9,000.00	1,500.00	39,500.00	20,200.00	50,000.00	1,000.00	6,000.00
483.16	263.82	3,185.27	1,146.63	95,894.18	96.05	350.77
582.80		6,612.15	250.79	53,923.28		840.90
441.14			55.00	141.07		
40,420.13	40,373.39	178,582.19	67,111.92	1,560,056.42	19,073.05	75,274.66
33,898.58	20,920.05	185,117.70	24,023.00	919,783.82	11,551.64	81,371.31
74,318.71	61,293.44	363,699.89	91,134.92	2,479,840.24	30,624.69	156,645.97
676.71	2,364.16		453.15	416,403.70	713.06	213.70
				177,999.09		64.11
35.00		2,106.06	515.43	10,067.12	119.23	
711.71	2,364.16	2,106.06	968.58	604,469.91	832.29	277.81
33,898.58	20,920.05	185,117.70	24,023.00	919,783.82	11,551.64	81,371.31
76.05		669.94	149.06	53,524.30		
33,974.63	20,920.05	185,787.64	24,172.06	973,308.12	11,551.64	81,371.31
14,532.42	11,014.20	58,116.83	20,000.00	453,596.30	5,014.10	24,410.34
25,099.95	26,995.03	117,689.36	45,994.28	450,252.88	13,226.66	50,586.51
				1,786.97		
39,632.37	38,009.23	175,806.19	65,994.28	902,062.21	18,240.76	74,996.85
74,318.71	61,293.44	363,699.89	91,134.92	2,479,840.24	30,624.69	156,645.97

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Chester- ville	Chippawa	Clifford	Clinton	Cobden
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	3,360.25	1,434.46		10,164.94	
Substation equipment.....				33,957.61	
Distribution system, overhead....	16,733.52	27,235.73	12,619.28	38,152.73	17,299.58
Distribution system, underground..					
Line transformers.....	9,976.64	13,220.62	5,848.20	26,926.64	7,222.99
Meters.....	8,673.33	10,776.71	3,928.00	17,737.67	5,714.45
Street light equipment, regular....	2,940.67	8,959.07	2,317.55	5,879.49	2,459.52
Miscellaneous construction expense	665.53	356.45	1,255.69	4,419.57	59.85
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	42,349.94	61,983.04	25,968.72	137,238.65	32,756.39
Less reserve for depreciation.....	9,086.98	16,885.88	6,738.30	33,498.35	1,444.10
	33,262.96	45,097.16	19,230.42	103,740.30	31,312.29
Bank and cash balance.....	4,643.27	1,450.53	2,751.29	25.00	11,064.95
Securities and investments.....	10,000.00	4,500.00	1,000.00	4,500.00	
Accounts receivable.....	137.53	125.00	85.66	811.77	202.84
Inventories.....		124.38		3,904.35	
Sinking fund on local debentures..					
Other assets.....	1,175.74	0.54	17.00	98.67	3,063.30
Frequency standardization expendi- ture in suspense.....				27,514.79	
	49,219.50	51,297.61	23,084.37	140,594.88	45,643.38
Equity in H-E.P.C. systems.....	56,532.99	38,535.96	18,010.52	107,511.11	9,061.73
Total.....	105,752.49	89,833.57	41,094.89	248,105.99	54,705.11
LIABILITIES					
Debenture balance.....			1,016.34	28,500.00	
Accounts payable.....	2,212.90	100.00	862.01	849.50	182.36
Bank overdraft.....				146.50	
Other liabilities.....	50.00	900.00	5.00	1,696.27	93.50
Total liabilities.....	2,262.90	1,000.00	1,883.35	31,192.27	275.86
RESERVES					
For equity in H-E.P.C. systems....	56,532.99	38,535.96	18,010.52	107,511.11	9,061.73
Other reserves.....				433.09	
	56,532.99	38,535.96	18,010.52	107,944.20	9,061.73
SURPLUS					
Debentures paid.....	5,889.32	13,350.00	6,983.66	46,000.00	4,949.42
Local sinking fund.....					
Operating surplus.....	41,067.28	36,947.61	14,217.36	62,969.52	40,418.10
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	46,956.60	50,297.61	21,201.02	108,969.52	45,367.52
Total.....	105,752.49	89,833.57	41,094.89	248,105.99	54,705.11



## Utilities as at December 31, 1952

Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam
\$	\$	\$	\$	\$	\$	\$
32,227.73		275.00	20,235.07	498.22	70.00	475.63
1,668.35			23,179.35			
158,499.87	16,879.86	17,165.85	101,641.54	15,697.22	20,882.04	13,434.50
57,031.85	6,924.42	9,502.26	61,957.97	11,547.44	4,704.88	6,215.60
56,762.61	7,201.53	6,321.86	49,888.82	4,831.23	4,317.29	4,076.73
44,150.41	3,684.38	3,850.48	24,559.62	1,302.22	1,543.85	1,164.58
10,717.71	3,141.53	151.71	7,149.96	404.95	236.01	127.12
361,058.53	37,831.72	37,267.16	288,612.33	34,281.28	31,754.07	25,494.16
91,526.44	4,326.03	9,112.21	64,636.80	5,653.38	3,046.60	7,550.86
269,532.09	33,505.69	28,154.95	223,975.53	28,627.90	28,707.47	17,943.30
3,376.02	1,921.31	5,160.32	3,125.01	2,838.06	6,076.53	6,210.20
20,000.00	5,000.00	8,500.00	15,000.00			3,000.00
17,670.45	2,805.73	1,744.39	3,432.38	77.40	14.00	6.94
14,794.77	5,743.50		8,711.87	16.70		
2,677.93		100.00	3,447.84			15.00
						6.00
328,051.26	48,976.23	43,659.66	257,692.63	31,560.06	34,798.00	27,181.44
156,960.43	16,071.94	29,951.18	309,156.40	37,269.19	12,783.89	11,565.21
485,011.69	65,048.17	73,610.84	566,849.03	68,829.25	47,581.89	38,746.65
				4,731.07		
12.65	384.90	1,580.85	2,601.84		466.66	10.00
6,382.53	448.00	140.37	4,445.82	88.23	149.25	171.59
6,395.18	832.90	1,721.22	7,047.66	4,819.30	615.91	181.59
156,960.43	16,071.94	29,951.18	309,156.40	37,269.19	12,783.89	11,565.21
		46.00	300.00	25.38		37.95
156,960.43	16,071.94	29,997.18	309,456.40	37,294.57	12,783.89	11,603.16
105,993.50	12,194.59	6,867.47	38,183.42	7,968.93	12,000.85	9,000.22
215,662.58	35,948.74	35,024.97	212,161.55	18,746.45	22,181.24	17,961.68
321,656.08	48,143.33	41,892.44	250,344.97	26,715.38	34,182.09	26,961.90
485,011.69	65,048.17	73,610.84	566,849.03	68,829.25	47,581.89	38,746.65

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Court- right	Creemore	Dashwood	Delaware	Delhi
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....					2,786.04
Substation equipment.....					
Distribution system, overhead....	10,278.12	12,943.95	5,178.46	8,784.89	57,399.60
Distribution system, underground..					
Line transformers.....	3,720.24	7,416.77	6,500.17	2,038.95	35,232.56
Meters.....	2,752.34	5,937.15	3,864.72	2,399.44	24,747.76
Street light equipment, regular....	2,049.86	2,580.94	364.52	412.31	9,278.20
Miscellaneous construction expense		135.00		73.08	8,211.49
Steam or hydraulic plant.....					
Old plant.....					28,518.74
Other capital assets.....					
Total plant.....	18,800.56	29,013.81	15,907.87	13,708.67	166,174.39
Less reserve for depreciation.....	1,042.41	4,917.31	2,448.81	511.00	24,998.79
	17,758.15	24,096.50	13,459.06	13,197.67	141,175.60
Bank and cash balance.....	696.83	3,345.83	3,084.32	860.47	17,299.99
Securities and investments.....		5,000.00			18,500.00
Accounts receivable.....	279.26	515.86	62.80	498.91	753.57
Inventories.....		60.25		1,576.33	11,278.00
Sinking fund on local debentures..					
Other assets.....		90.64			1,773.65
Frequency standardization expendi- ture in suspense.....					5.35
	18,734.24	33,109.08	16,606.18	16,133.38	190,786.16
Equity in H-E.P.C. systems.....	12,555.69	25,667.08	19,463.73	8,700.17	31,752.15
Total.....	31,289.93	58,776.16	36,069.91	24,833.55	222,538.31
LIABILITIES					
Debenture balance.....					35,724.60
Accounts payable.....		263.26	354.90	883.66	
Bank overdraft.....					
Other liabilities.....	275.00	241.50		40.00	2,353.13
Total liabilities.....	275.00	504.76	354.90	923.66	38,077.73
RESERVES					
For equity in H-E.P.C. systems....	12,555.69	25,667.08	19,463.73	8,700.17	31,752.15
Other reserves.....	5.24	54.53		22.53	31.22
	12,560.93	25,721.61	19,463.73	8,722.70	31,783.37
SURPLUS					
Debentures paid.....	8,138.35	2,823.61	3,400.00	4,000.00	49,275.40
Local sinking fund.....					
Operating surplus.....	10,315.65	29,726.18	13,959.34	11,246.89	103,401.81
Net frequency standardization ex- pense charged this year.....			1,108.06	59.70	
Total surplus.....	18,454.00	32,549.79	16,251.28	15,187.19	152,677.21
Total.....	31,289.93	58,776.16	36,069.91	24,833.55	222,538.31

## Utilities as at December 31, 1952

Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dublin	Dundalk
\$	\$	\$	\$	\$	\$	\$
1,322.41			33,944.94			2,542.33
161.18			523.00			
25,081.50	15,807.35	12,826.61	41,989.67	7,158.79	7,425.97	13,730.02
18,013.30	7,681.16	9,364.06	16,281.64	4,844.58	4,437.86	7,891.71
9,856.70	6,404.43	4,607.83	15,793.95	3,391.42	2,204.30	5,653.75
3,715.24	3,505.01	2,158.26	2,126.68	505.64	659.43	2,770.66
2,006.26	89.15	471.60	3,817.98			765.22
60,156.59	33,487.10	29,428.36	114,477.86	15,900.43	14,727.56	33,353.69
16,551.92	5,844.18	9,257.54	6,233.02	8,242.71	7,556.94	8,061.12
43,604.67	27,642.92	20,170.82	108,244.84	7,657.72	7,170.62	25,292.57
7,848.36	88.64	6,348.33	4,174.28	5,725.46	7,636.08	745.89
6,000.00	1,700.00	6,000.00	1,000.00	8,500.00	1,300.00	13,500.00
4,860.79	1,301.26	414.14	2,495.12	704.90	128.44	306.01
7,585.96	15.62		8,372.70	31.19		
		32.50	318.16			
		78.00	3,229.68	78.00	1,639.65	
69,899.78	30,748.44	33,043.79	127,834.78	22,697.27	17,874.79	39,844.47
22,263.35	17,327.73	28,328.85	74,156.61	15,399.33	11,936.20	29,612.17
92,163.13	48,076.17	61,372.64	201,991.39	38,096.60	29,810.99	69,456.64
462.26	783.24	43.49	18,489.05			
	1,700.00		789.59	495.80	537.55	175.31
625.56	53.22	30.00	633.00	90.00	8.00	
1,087.82	2,536.46	73.49	19,911.64	585.80	545.55	175.31
22,263.35	17,327.73	28,328.85	74,156.61	15,399.33	11,936.20	29,612.17
			582.44			
22,263.35	17,327.73	28,328.85	74,739.05	15,399.33	11,936.20	29,612.17
15,000.00	4,300.00	9,500.00	12,934.19	4,500.00	6,200.00	5,727.27
53,811.96	24,980.79	23,470.30	94,406.51	17,611.47	11,129.24	33,941.89
	1,068.81					
68,811.96	28,211.98	32,970.30	107,340.70	22,111.47	17,329.24	39,669.16
92,163.13	48,076.17	61,372.64	201,991.39	38,096.60	29,810.99	69,456.64



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dundas	Dunnville	Durham	Dutton
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....	22,277.88	7,323.56	211.28	75.11
Substation equipment.....	38,563.62	41,144.20		
Distribution system, overhead.....	108,154.71	62,405.13	31,653.32	13,230.80
Distribution system, underground.....				
Line transformers.....	52,571.49	40,687.15	23,496.50	8,306.56
Meters.....	48,670.27	36,477.03	13,898.08	4,835.07
Street light equipment, regular.....	16,841.64	12,962.55	4,212.32	2,621.20
Miscellaneous construction expense..	8,665.50	4,655.93	3,038.17	205.70
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....	*1,534.00			
<b>Total plant.....</b>	<b>297,279.11</b>	<b>205,655.55</b>	<b>76,509.67</b>	<b>29,274.44</b>
Less reserve for depreciation.....	96,109.62	62,485.07	15,557.07	11,055.20
	201,169.49	143,170.48	60,952.60	18,219.24
Bank and cash balance.....	3,792.20	70.00	8,084.12	4,258.09
Securities and investments.....	13,000.00	20,000.00	2,000.00	7,000.00
Accounts receivable.....	4,147.29	4,052.91	1,060.15	415.54
Inventories.....		12,336.16	146.23	
Sinking fund on local debentures.....				
Other assets.....	487.09	444.59		1.46
Frequency standardization expenditure in suspense.....	1,085.00	368.00		
	223,681.07	180,442.14	72,243.10	29,894.33
Equity in H-E.P.C. systems.....	323,213.79	150,976.91	66,571.53	42,212.41
<b>Total.....</b>	<b>546,894.86</b>	<b>331,419.05</b>	<b>138,814.63</b>	<b>72,106.74</b>
<b>LIABILITIES</b>				
Debture balance.....				
Accounts payable.....	1,421.08	1,238.66	238.32	3,233.90
Bank overdraft.....		9,995.63		
Other liabilities.....	10,975.30	3,539.61	98.00	157.36
<b>Total liabilities.....</b>	<b>12,396.38</b>	<b>14,773.90</b>	<b>336.32</b>	<b>3,391.26</b>
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	323,213.79	150,976.91	66,571.53	42,212.41
Other reserves.....	55.96			
	323,269.75	150,976.91	66,571.53	42,212.41
<b>SURPLUS</b>				
Debentures paid.....	53,000.00	75,500.00	25,323.97	8,407.49
Local sinking fund.....				
Operating surplus.....	158,228.73	90,168.24	46,582.81	18,095.58
Net frequency standardization expense charged this year.....				
<b>Total surplus.....</b>	<b>211,228.73</b>	<b>165,668.24</b>	<b>71,906.78</b>	<b>26,503.07</b>
<b>Total.....</b>	<b>546,894.86</b>	<b>331,419.05</b>	<b>138,814.63</b>	<b>72,106.74</b>

\*Annexed plant undistributed.

## Utilities as at December 31, 1952

East York Twp. (V.A.)	Eganville	Elmira	Elmvale	Elmwood (V.A.)	Elora	Embro
\$	\$	\$	\$	\$	\$	\$
187,304.69	8,758.00	43,957.20	156.25	1,709.66	4,678.36	.....
323,776.46	.....	44,393.01	2,273.07	.....	.....	.....
823,737.37	15,781.70	67,746.08	17,345.38	8,442.41	27,725.07	14,382.92
.....	.....	490.20	.....	.....	.....	.....
458,941.73	6,045.04	38,049.17	10,490.67	3,811.42	17,825.03	11,429.01
350,112.62	6,836.52	23,979.14	8,276.12	3,172.58	10,210.67	4,203.27
130,616.97	1,383.94	5,233.98	6,370.19	1,354.87	2,551.98	606.45
67,374.18	3,062.58	5,115.97	11.56	.....	1,309.55	756.59
.....	78,122.91	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
2,341,864.02	119,990.69	228,964.75	44,923.24	18,490.94	64,300.66	31,378.24
220,532.57	18,240.48	44,205.05	7,580.91	3,243.32	21,451.21	8,794.22
2,121,331.45	101,750.21	184,759.70	37,342.33	15,247.62	42,849.45	22,584.02
23,745.45	4,385.42	21,089.18	3,158.78	2,667.91	616.20	4,058.53
.....	.....	.....	1,500.00	2,600.00	7,500.00	3,500.00
83,580.35	3,115.50	2,695.37	528.65	726.10	573.70	124.38
23,387.52	107.09	.....	.....	.....	189.42	.....
402.38	.....	1,004.16	.....	.....	40.00	.....
.....	.....	3,857.54	.....	.....	.....	.....
2,252,447.15	109,358.22	213,405.95	42,529.76	21,241.63	51,768.77	30,266.93
814,333.08	.....	174,923.84	31,729.04	10,396.31	80,322.38	24,875.76
3,066,780.23	109,358.22	388,329.79	74,258.80	31,637.94	132,091.15	55,142.69
672,000.00	81,715.62	.....	.....	.....	.....	.....
193,711.18	783.13	588.12	394.86	221.50	528.31	168.74
13,882.72	6.81	1,129.05	.....	105.00	415.00	20.38
879,593.90	82,505.56	1,717.17	394.86	326.50	943.31	189.12
814,333.08	.....	174,923.84	31,729.04	10,396.31	80,322.38	24,875.76
9,571.11	.....	.....	3.68	.....	.....	.....
823,904.19	.....	174,923.84	31,732.72	10,396.31	80,322.38	24,875.76
407,763.36	18,284.38	37,168.50	6,544.07	6,106.38	13,000.00	7,500.00
955,518.78	8,568.28	174,520.28	35,587.15	14,808.75	37,825.46	22,577.81
1,363,282.14	26,852.66	211,688.78	42,131.22	20,915.13	50,825.46	30,077.81
3,066,780.23	109,358.22	388,329.79	74,258.80	31,637.94	132,091.15	55,142.69

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp. (V.A.)
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....				11,913.64	263,885.82
Substation equipment.....					394,593.35
Distribution system, overhead....	33,183.61	5,238.63	17,500.17	67,485.68	1,393,506.97
Distribution system, underground..				442.55	
Line transformers.....	18,807.96	2,849.82	4,087.74	34,723.67	620,099.27
Meters.....	6,135.81	1,823.88	2,642.38	20,555.19	441,727.27
Street light equipment, regular....	961.55	306.37	927.75	3,471.36	176,511.14
Miscellaneous construction expense			501.23	5,142.82	234,177.99
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	59,088.93	10,218.70	25,659.27	143,734.91	3,524,501.81
Less reserve for depreciation.....	2,927.36	663.23	2,799.27	38,128.46	225,333.61
	56,161.57	9,555.47	22,860.00	105,606.45	3,299,168.20
Bank and cash balance.....		311.67	4,749.24	2,515.71	264,870.81
Securities and investments.....	1,000.00				7,000.00
Accounts receivable.....	144.12	145.47	196.59	1,716.42	73,684.64
Inventories.....				7,012.11	69,578.20
Sinking fund on local debentures..					
Other assets.....	1,147.50			23.92	2,185.10
Frequency standardization expenditure in suspense.....				12.00	
	58,453.19	10,012.61	27,805.83	116,886.61	3,716,486.95
Equity in H-E.P.C. systems.....	18,545.82	3,849.83	920.84	77,547.45	748,725.31
Total.....	76,999.01	13,862.44	28,726.67	194,434.06	4,465,212.26
LIABILITIES					
Debenture balance.....			13,050.00	2,858.34	2,569,000.00
Accounts payable.....	25.00	500.00	42.02	200.00	5,000.00
Bank overdraft.....	11,681.69				
Other liabilities.....	50.00	147.50	250.00	725.00	31,006.55
Total liabilities.....	11,756.69	647.50	13,342.02	3,783.34	2,605,006.55
RESERVES					
For equity in H-E.P.C. systems....	18,545.82	3,849.83	920.84	77,547.45	748,725.31
Other reserves.....	37.41	18.90		373.37	72,300.79
	18,583.23	3,868.73	920.84	77,920.82	821,026.10
SURPLUS					
Debentures paid.....	6,883.13	3,300.00	1,450.00	19,641.66	361,695.40
Local sinking fund.....					
Operating surplus.....	39,775.96	6,046.21	13,013.81	93,088.24	864,383.00
Net frequency standardization expense charged this year.....					186,898.79
Total surplus.....	46,659.09	9,346.21	14,463.81	112,729.90	1,039,179.61
Total.....	76,999.01	13,862.44	28,726.67	194,434.06	4,465,212.26



## Utilities as at December 31, 1952

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
\$	\$	\$	\$	\$	\$	\$
9,954.19	2,442.52		430.00		6,576.61	52,742.79
	27,539.89					220,210.27
58,967.35	50,570.27	10,758.61	12,156.93	26,284.82	28,359.40	274,738.90
						8,783.56
32,094.27	37,250.97	6,564.25	5,714.67	14,061.30	22,730.60	193,562.40
21,566.84	25,562.35	3,728.88	4,397.91	12,422.81	17,372.96	94,130.12
5,834.34	9,984.17	1,776.84	1,586.58	4,651.94	7,314.99	17,072.25
5,479.90	1,399.21	193.09	428.77	3,452.51	4,264.98	24,735.38
133,896.89	154,749.38	23,021.67	24,714.86	60,873.38	86,619.54	885,975.67
32,118.21	31,245.72	4,209.40	4,794.26	9,447.05	28,830.70	252,545.15
101,778.68	123,503.66	18,812.27	19,920.60	51,426.33	57,788.84	633,430.52
2,314.38	12,300.46	1,842.27	1,911.33	3,263.70	5,729.22	26,720.68
		6,000.00	11,000.00		33,510.00	74,000.00
2,209.93	1,562.63	94.92	25.22	440.90	3,515.64	11,998.40
3,202.93	1,402.95			33.50	2,112.97	23,780.31
106.22	204.08	4,198.67			50.95	
	240.00					7,846.57
109,612.14	139,213.78	30,948.13	32,857.15	55,164.43	102,707.62	777,776.48
101,911.87	157,703.20	11,604.69	14,043.19	19,192.93	81,888.54	504,376.25
211,524.01	296,916.98	42,552.82	46,900.34	74,357.36	184,596.16	1,282,152.73
784.52	19.13	1,119.12	428.18	3,200.00 4,648.16	162.71	100,983.25 5,211.04
1,531.07	1,025.88	225.95	92.00		96.86	19,471.89
2,315.59	1,045.01	1,345.07	520.18	7,848.16	259.57	125,666.18
101,911.87	157,703.20	11,604.69	14,043.19	19,192.93	81,888.54	504,376.25
60.16	177.40				85.89	157.77
101,972.03	157,880.60	11,604.69	14,043.19	19,192.93	81,974.43	504,534.02
20,000.05	42,000.00	7,000.00	5,830.88	23,300.00	23,357.13	261,798.35
95,099.98	95,991.37	22,603.06	26,506.09	24,016.27	84,807.73	390,154.18
7,863.64					5,802.70	
107,236.39	137,991.37	29,603.06	32,336.97	47,316.27	102,362.16	651,952.53
211,524.01	296,916.98	42,552.82	46,900.34	74,357.36	184,596.16	1,282,152.73

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Frankford	Galt	Georgetown	Glencoe
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....		261,262.82	5,823.72	3,587.66
Substation equipment.....		323,964.87	18,491.00	
Distribution system, overhead.....	21,980.39	389,793.46	74,248.47	30,275.43
Distribution system, underground.....		4,230.40		
Line transformers.....	5,873.87	223,230.62	50,023.03	16,748.81
Meters.....	6,924.45	151,175.18	33,009.29	8,898.54
Street light equipment, regular.....	3,006.98	103,603.15	8,981.89	6,581.91
Miscellaneous construction expense..	147.12	42,937.92	5,560.69	1,994.35
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....		73,518.00		
Total plant.....	37,932.81	1,573,716.42	196,138.09	68,086.70
Less reserve for depreciation.....	4,566.85	509,065.06	45,527.88	15,816.10
	33,365.96	1,064,651.36	150,610.21	52,270.60
Bank and cash balance.....	21,080.10	350.00	686.83	5,192.66
Securities and investments.....			5,000.00	10,100.00
Accounts receivable.....	454.39	22,323.61	278.17	1,428.18
Inventories.....		82,895.59	12,409.51	926.69
Sinking fund on local debentures.....				
Other assets.....		12,739.04	157.50	7.98
Frequency standardization expenditure in suspense.....		33,281.50		
	54,900.45	1,216,241.10	169,142.22	69,926.11
Equity in H-E.P.C. systems.....	1,755.28	1,263,721.16	247,575.70	44,925.89
Total.....	56,655.73	2,479,962.26	416,717.92	114,852.00
<b>LIABILITIES</b>				
Debenture balance.....	14,000.00	95,000.00		
Accounts payable.....	6,677.69	79,212.40	506.40	727.11
Bank overdraft.....		6,017.72		
Other liabilities.....	655.00	10,250.58	7,242.92	340.00
Total liabilities.....	21,332.69	190,480.70	7,749.32	1,067.11
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	1,755.28	1,263,721.16	247,575.70	44,925.89
Other reserves.....		9,433.33	250.00	351.64
	1,755.28	1,273,154.49	247,825.70	45,277.53
<b>SURPLUS</b>				
Debentures paid.....	6,000.00	523,001.95	20,000.00	20,112.88
Local sinking fund.....				
Operating surplus.....	27,567.76	493,325.12	141,142.90	50,893.70
Net frequency standardization expense charged this year.....				2,499.22
Total surplus.....	33,567.76	1,016,327.07	161,142.90	68,507.36
Total.....	56,655.73	2,479,962.26	416,717.92	114,852.00

## Utilities as at December 31, 1952

Goderich	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
\$	\$	\$	\$	\$	\$	\$
81,467.25	36.50		15,684.91		26,612.80	2,700.00
75,719.91			10,936.03		323,756.69	864.37
103,310.68	17,066.24	5,954.63	49,780.04	60,651.21	465,085.33	27,507.09
			1,941.77		28,847.47	
59,285.02	8,071.55	3,250.46	27,717.88	32,340.76	220,453.98	22,574.79
39,655.23	6,623.54	2,872.25	26,614.85	23,960.38	194,642.30	15,552.86
10,951.33	1,117.46	180.78	9,684.89	6,751.76	52,376.51	1,331.72
19,807.79		41.40	2,226.78		37,820.70	1,575.82
390,197.21	32,915.29	12,299.52	144,587.15	123,704.11	1,349,595.78	72,106.65
110,995.83	12,624.18	1,053.11	35,835.69	17,483.80	378,503.22	24,994.36
279,201.38	20,291.11	11,246.41	108,751.46	106,220.31	971,092.56	47,112.29
62,492.51	3,261.28	3,625.43	1,943.62	1,156.12	120,475.77	7,817.86
2,000.00	8,000.00		9,000.00	26,000.00	150,000.00	37,000.00
4,639.88	410.57	97.97	762.65	448.37	19,623.19	248.02
3,749.91			1,512.13	104.19	60,399.23	
669.68			225.43		202.82	220.66
32,861.12				355.00	10,671.52	
385,614.48	31,962.96	14,969.81	122,195.29	134,283.99	1,332,465.09	92,398.83
276,321.29	27,269.01	16,431.96	86,183.97	29,794.69	1,477,940.37	161,994.48
661,935.77	59,231.97	31,401.77	208,379.26	164,078.68	2,810,405.46	254,393.31
123,540.74		2,849.28			335,000.00	
10,135.87	1,708.41	730.36	1,026.37	1,618.80	54,719.22	581.00
4,794.77		50.00	1,281.50	2,118.99	12,057.52	575.00
138,471.38	1,708.41	3,629.64	2,307.87	3,737.79	401,776.74	1,156.00
276,321.29	27,269.01	16,431.96	86,183.97	29,794.69	1,477,940.37	161,994.48
626.11		60.00	447.53		17,022.92	
276,947.40	27,269.01	16,491.96	86,631.50	29,794.69	1,494,963.29	161,994.48
97,547.31	10,794.30	3,794.30	44,278.97	85,344.00	160,000.00	8,000.00
148,969.68	19,460.25	8,738.07	75,160.92	45,202.20	753,665.43	83,242.83
		1,252.20				
246,516.99	30,254.55	11,280.17	119,439.89	130,546.20	913,665.43	91,242.83
661,935.77	59,231.97	31,401.77	208,379.26	164,078.68	2,810,405.46	254,393.31



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Hamilton	Hanover	Harriston	Harrow
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings.....	2,346,214.32	27,800.95	395.25	2,318.16
Substation equipment.....	3,849,339.73	9,311.19	25.00	.....
Distribution system, overhead.....	2,260,540.23	70,751.35	38,705.28	33,983.37
Distribution system, underground.....	1,417,732.14	.....	.....	.....
Line transformers.....	1,869,837.50	39,512.94	18,992.34	28,181.02
Meters.....	1,380,203.21	29,413.97	12,093.20	13,325.31
Street light equipment, regular.....	557,952.08	6,972.62	8,151.47	4,139.86
Miscellaneous construction expense..	146,155.39	7,403.64	2,401.49	96.57
Steam or hydraulic plant.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....
Total plant.....	13,827,974.60	191,166.66	80,764.03	82,044.29
Less reserve for depreciation.....	1,873,116.54	86,956.68	21,139.62	22,761.51
	11,954,858.06	104,209.98	59,624.41	59,282.78
Bank and cash balance.....	54,186.96	17,626.30	2,101.64	7,449.15
Securities and investments.....	.....	98,856.32	.....	13,700.00
Accounts receivable.....	605,562.31	1,552.89	5,729.38	1,017.56
Inventories.....	665,397.85	433.72	392.34	7,808.20
Sinking fund on local debentures.....	.....	.....	.....	.....
Other assets.....	303,569.26	1,489.76	166.50	9.90
Frequency standardization expenditure in suspense.....	29,493.12	.....	358.24	.....
	13,613,067.56	224,168.97	68,372.51	89,267.59
Equity in H-E.P.C. systems.....	*13,624,317.67	181,928.57	77,987.52	67,481.48
Total.....	27,237,385.23	406,097.54	146,360.03	156,749.07
<b>LIABILITIES</b>				
Debenture balance.....	.....	.....	.....	.....
Accounts payable.....	940,781.46	75.64	.....	4,346.37
Bank overdraft.....	179,260.48	.....	.....	.....
Other liabilities.....	49,643.75	1,387.00	295.01	735.00
Total liabilities.....	1,169,685.69	1,462.64	295.01	5,081.37
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	*13,624,317.67	181,928.57	77,987.52	67,481.48
Other reserves.....	239,522.78	.....	.....	128.85
	13,863,840.45	181,928.57	77,987.52	67,610.33
<b>SURPLUS</b>				
Debentures paid.....	6,185,275.19	80,162.29	25,818.03	12,000.00
Local sinking fund.....	.....	.....	.....	.....
Operating surplus.....	6,019,688.78	142,544.04	42,259.47	72,057.37
Net frequency standardization expense charged this year.....	1,104.88	.....	.....	.....
Total surplus.....	12,203,859.09	222,706.33	68,077.50	84,057.37
Total.....	27,237,385.23	406,097.54	146,360.03	156,749.07

\*Includes 1952 H-E.P.C. equity.

## Utilities as at December 31, 1952

Hastings	Havelock	Hensall	Hespeler	Highgate	Holstein	Huntsville
\$	\$	\$	\$	\$	\$	\$
			17,651.31			353.52
			61,710.62			647.30
26,552.56	37,768.57	25,942.01	61,781.45	10,538.18	5,155.38	41,997.25
7,210.44	11,353.24	24,206.08	51,900.27	4,994.01	2,504.43	37,347.45
7,588.98	9,726.34	9,413.96	22,182.87	2,652.01	1,676.26	25,429.87
1,577.62	6,124.18	3,616.77	17,226.97	3,001.38	1,100.04	11,905.98
	433.40	353.74	13,280.68		36.58	2,346.04
42,929.60	65,405.73	63,532.56	245,734.17	21,185.58	10,472.69	120,027.41
13,555.58	8,945.60	14,667.51	30,319.07	7,175.91	1,414.00	20,179.75
29,374.02	56,460.13	48,865.05	215,415.10	14,009.67	9,058.69	99,847.66
3,921.96	5,535.70	668.12	47,916.11	998.73	514.44	25.00
8,000.00	10,000.00	2,000.00	10,000.00	3,000.00	2,000.00	
114.03	229.16	550.11	22,330.97	46.41	90.98	5,081.50
			833.06			13,146.60
		8.00	524.67			500.00
			2,305.00	38.33		
41,410.01	72,224.99	52,091.28	299,324.91	18,093.14	11,664.11	118,600.76
11,557.62	27,143.62	38,093.78	285,339.77	20,003.38	5,722.74	143,052.69
52,967.63	99,368.61	90,185.06	584,664.68	38,096.52	17,386.85	261,653.45
	28,500.00					
365.11	213.69	3,408.05	2,684.15	81.43		42.53
						4,153.58
650.99	150.00	66.09	1,845.00	95.00	42.60	1,114.73
1,016.10	28,863.69	3,474.14	4,529.15	176.43	42.60	5,310.84
11,557.62	27,143.62	38,093.78	285,339.77	20,003.38	5,722.74	143,052.69
			105.17			129.14
11,557.62	27,143.62	38,093.78	285,444.94	20,003.38	5,722.74	143,181.83
21,000.00	34,400.00	12,000.00	77,570.51	5,000.00	2,762.05	15,697.39
19,393.91	8,961.30	38,850.18	217,120.08	12,916.71	8,859.46	97,463.39
		2,233.04				
40,393.91	43,361.30	48,617.14	294,690.59	17,916.71	11,621.51	113,160.78
52,967.63	99,368.61	90,185.06	584,664.68	38,096.52	17,386.85	261,653.45

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Ingersoll	Iroquois	Jarvis	Kemptville
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings .....	30,330.70	281.20		5,466.98
Substation equipment .....	106,062.10	100.00		
Distribution system, overhead .....	86,327.44	13,409.79	17,848.33	31,161.18
Distribution system, underground .....				
Line transformers .....	68,988.73	6,036.58	9,326.29	21,989.02
Meters .....	51,421.93	6,996.75	4,799.27	14,902.96
Street light equipment, regular .....	8,138.60	2,734.02	1,097.57	1,286.90
Miscellaneous construction expense ..	4,808.50	489.24	117.12	2,014.14
Steam or hydraulic plant .....				
Old plant .....		575.00		
Other capital assets .....				
Total plant .....	356,078.00	30,622.58	33,188.58	76,821.18
Less reserve for depreciation .....	49,186.92	5,808.33	4,034.42	13,382.65
	306,891.08	24,814.25	29,154.16	63,438.53
Bank and cash balance .....	3,576.06	737.74	1,110.37	2,993.32
Securities and investments .....		8,000.00	10,000.00	6,000.00
Accounts receivable .....	5,402.07	236.69	248.37	4,524.89
Inventories .....	10,441.81	903.19		4,244.65
Sinking fund on local debentures .....				
Other assets .....	765.21		157.00	
Frequency standardization expenditure in suspense .....	294.00			
	327,370.23	34,691.87	40,669.90	81,201.39
Equity in H-E.P.C. systems .....	413,975.72	11,604.69	33,190.31	49,545.28
Total .....	741,345.95	46,296.56	73,860.21	130,746.67
<b>LIABILITIES</b>				
Debenture balance .....	77,382.42			
Accounts payable .....	5,372.31	119.46	441.60	239.33
Bank overdraft .....				
Other liabilities .....	3,592.35	641.76		575.02
Total liabilities .....	86,347.08	761.22	441.60	814.35
<b>RESERVES</b>				
For equity in H-E.P.C. systems .....	413,975.72	11,604.69	33,190.31	49,545.28
Other reserves .....	147.38			636.69
	414,123.10	11,604.69	33,190.31	50,181.97
<b>SURPLUS</b>				
Debentures paid .....	82,417.58		10,500.00	19,506.62
Local sinking fund .....				
Operating surplus .....	158,458.19	33,930.65	29,728.30	60,243.73
Net frequency standardization expense charged this year .....				
Total surplus .....	240,875.77	33,930.65	40,228.30	79,750.35
Total .....	741,345.95	46,296.56	73,860.21	130,746.67



## Utilities as at December 31, 1952

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
\$	\$	\$	\$	\$	\$	\$
6,740.17	373,108.33	8,730.87		363,385.86	7,642.60	
7,512.39	429,727.16			701,284.54		
67,693.61	459,765.95	55,673.90	7,786.58	867,182.71	37,548.87	28,597.68
	385,104.98			300,927.60		
33,422.85	247,801.25	29,232.96	2,334.34	536,221.67	17,849.18	11,272.87
21,135.30	246,906.50	24,920.66	1,577.58	340,926.20	13,841.70	9,129.63
11,443.38	114,647.70	2,438.96	476.81	137,926.30	3,582.22	2,073.10
4,708.51	10,131.88	1,077.01		115,741.50	3,852.35	17.00
	31,293.09					
				186,578.00		
152,656.21	2,298,486.84	122,074.36	12,175.31	3,550,174.38	84,316.92	51,090.28
31,178.55	648,811.65	35,635.54	3,824.15	593,274.25	21,094.17	9,679.86
121,477.66	1,649,675.19	86,438.82	8,351.16	2,956,900.13	63,222.75	41,410.42
9,969.61	400.00	1,592.17	1,168.09	85,108.12	12,570.49	8,786.76
33,000.00	180,000.00	13,500.00	3,000.00	350,000.00	23,000.00	
32.66	108,342.39	3,711.97	42.47	376,961.46	562.56	1,766.90
248.68	62,568.25	378.95		171,670.35	3,734.51	
823.20	27,377.90			2,277.25		
		13,344.28				
165,551.81	2,038,363.73	118,966.19	12,561.72	3,942,917.31	103,090.31	51,964.08
102,588.18	572,940.59	95,751.80	6,859.00	3,026,362.26	36,318.74	22,758.81
268,139.99	2,611,304.32	214,717.99	19,420.72	6,969,279.57	139,409.05	74,722.89
		4,462.00		805,200.00		25,863.25
	80,383.44	6,187.86	204.41	254,948.18	67.70	913.72
	3,469.66					
657.32	14,477.29	2,604.75		13,530.98	444.53	330.00
657.32	98,330.39	13,254.61	204.41	1,073,679.16	512.23	27,106.97
102,588.18	572,940.59	95,751.80	6,859.00	3,026,362.26	36,318.74	22,758.81
39.62	100,000.00	819.60	200.00	27,306.62		16.85
102,627.80	672,940.59	96,571.40	7,059.00	3,053,668.88	36,318.74	22,775.66
60,000.00	274,339.08	29,038.00	5,765.89	781,950.00	33,500.00	6,636.75
104,854.87	1,565,694.26	75,853.98	6,391.42	2,059,981.53	69,078.08	21,200.43
						2,996.92
164,854.87	1,840,033.34	104,891.98	12,157.31	2,841,931.53	102,578.08	24,840.26
268,139.99	2,611,304.32	214,717.99	19,420.72	6,969,279.57	139,409.05	74,722.89

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Lanark	Lancaster	La Salle	Leaming- ton	Lindsay
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....			1,210.68	36,105.25	61,469.52
Substation equipment.....				8,288.84	104,033.03
Distribution system, overhead....	13,693.51	9,777.50	49,676.63	99,206.45	163,456.69
Distribution system, underground..				43,658.76	24,181.53
Line transformers.....	7,147.12	2,227.75	19,271.97	52,515.38	78,440.52
Meters.....	5,311.05	3,516.28	14,462.31	50,815.38	71,059.35
Street light equipment, regular....	1,567.82	866.97	1,823.97	4,848.71	15,789.94
Miscellaneous construction expense	331.55	89.03	780.59	9,581.16	45,402.76
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	28,051.05	16,477.53	87,226.15	305,019.93	563,833.34
Less reserve for depreciation.....	4,126.00	5,879.74	18,255.93	76,361.57	124,384.60
	23,925.05	10,597.79	68,970.22	228,658.36	439,448.74
Bank and cash balance.....	9,121.44	5,359.67	2,051.22	5,271.40	
Securities and investments.....	10,000.00	4,000.00		2,000.00	15,000.00
Accounts receivable.....	225.64	1,100.12	1,888.19	5,458.89	11,836.97
Inventories.....			449.51	9,424.03	16,823.18
Sinking fund on local debentures..					
Other assets.....			12.30	0.36	
Frequency standardization expendi- ture in suspense.....					
	43,272.13	21,057.58	73,371.44	250,813.04	483,108.89
Equity in H-E.P.C. systems.....	15,094.61	12,760.83	37,360.35	227,904.32	277,720.98
Total.....	58,366.74	33,818.41	110,731.79	478,717.36	760,829.87
<b>LIABILITIES</b>					
Debenture balance.....					
Accounts payable.....	118.39	1,590.22	7,498.74	5,274.42	121,032.81
Bank overdraft.....					3,283.22
Other liabilities.....	140.00	168.48	1,233.06	4,287.61	6,154.24
Total liabilities.....	258.39	1,758.70	8,731.80	9,562.03	130,470.27
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	15,094.61	12,760.83	37,360.35	227,904.32	277,720.98
Other reserves.....			159.26	666.75	
	15,094.61	12,760.83	37,519.61	228,571.07	277,720.98
<b>SURPLUS</b>					
Debentures paid.....	7,316.57	8,916.82	15,500.00	48,000.00	130,000.00
Local sinking fund.....					
Operating surplus.....	35,697.17	10,382.06	48,980.38	192,584.26	222,638.62
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	43,013.74	19,298.88	64,480.38	240,584.26	352,638.62
Total.....	58,366.74	33,818.41	110,731.79	478,717.36	760,829.87

## Utilities as at December 31, 1952

Listowel	London	London Twp. (V.A.)	Long Branch	Lucan	Lucknow	Lynden
\$	\$	\$	\$	\$	\$	\$
1,459.49	581,454.89			375.45		241.18
3,963.88	918,249.99					
90,680.85	1,254,171.82	47,380.70	117,078.93	19,823.30	28,834.83	8,213.62
7,371.09	1,566,729.46					
41,362.42	880,225.26	22,935.19	70,444.51	12,814.76	17,384.26	5,369.34
27,951.45	642,569.04	16,770.67	51,531.94	8,530.41	9,645.40	4,129.36
6,528.08	282,102.77	2,898.60	23,450.29	5,156.76	6,081.38	695.10
7,828.02	339,725.67	333.29		248.08	343.26	
187,145.28	6,465,228.90	90,318.45	262,505.67	46,948.76	62,289.13	18,648.60
74,477.45	2,103,723.38	19,338.48	16,170.97	11,463.31	5,380.26	5,736.76
112,667.83	4,361,505.52	70,979.97	246,334.70	35,485.45	56,908.87	12,911.84
12,297.41	93,107.97		2,619.15	1,216.26	3,470.83	2,491.28
5,000.00	206,500.00	2,000.00	3,000.00	5,500.00	22,000.00	3,000.00
735.62	239,389.00	640.10	13,195.61	128.80	1,063.83	89.12
684.43	370,799.75					
474.89	26,129.84					
203.10						
132,063.28	5,297,432.08	73,620.07	265,149.46	42,330.51	83,443.53	18,492.24
186,199.51	5,288,108.02	55,434.87	103,007.83	38,908.40	48,396.86	26,147.04
318,262.79	10,585,540.10	129,054.94	368,157.29	81,238.91	131,840.39	44,639.28
	627,000.00	8,000.00				
2,781.36	516,302.77	9,658.06	50,074.34	5,640.59	4,337.21	326.96
		1,980.53				
1,041.67	35,681.02	757.62	4,619.15	488.61		40.32
3,823.03	1,178,983.79	20,396.21	54,693.49	6,129.20	4,337.21	367.28
186,199.51	5,288,108.02	55,434.87	103,007.83	38,908.40	48,396.86	26,147.04
	260,657.27	677.84	811.39		490.75	
186,199.51	5,548,765.29	56,112.71	103,819.22	38,908.40	48,887.61	26,147.04
43,189.89	1,604,900.00	19,000.00	40,304.60	11,213.62	17,614.08	4,495.00
85,050.36	2,260,278.56	39,440.33	189,176.21	27,897.81	61,001.49	13,629.96
	7,387.54	5,894.31	19,836.23	2,910.12		
128,240.25	3,857,791.02	52,546.02	209,644.58	36,201.31	78,615.57	18,124.96
318,262.79	10,585,540.10	129,054.94	368,157.29	81,238.91	131,840.39	44,639.28



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Madoc	Magneta- wan	Markdale	Markham	Marmora
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings .....	100.00	278.04			
Substation equipment .....		1,759.60	780.80		
Distribution system, overhead .....	40,059.51	11,321.84	18,475.00	39,073.50	20,153.61
Distribution system, underground .....					
Line transformers .....	14,030.04	2,257.60	11,454.14	24,641.35	8,597.03
Meters .....	10,477.64	1,335.07	9,279.17	15,989.00	7,599.12
Street light equipment, regular .....	2,704.28	983.31	4,555.77	2,292.82	1,590.39
Miscellaneous construction expense .....	766.11	547.15	255.00	455.03	484.64
Steam or hydraulic plant .....					
Old plant .....		2,770.62			
Other capital assets .....					
Total plant .....	68,137.58	21,253.23	44,799.88	82,451.70	38,424.79
Less reserve for depreciation .....	13,594.92	2,711.75	5,366.57	13,250.20	20,808.10
	54,542.66	18,541.48	39,433.31	69,201.50	17,616.69
Bank and cash balance .....	7,930.00	7,361.12	6,678.78		1,363.63
Securities and investments .....	2,000.00	100.00		14,000.00	8,000.00
Accounts receivable .....	1,294.23	127.22	141.71	351.40	807.51
Inventories .....	3,624.18				2,901.86
Sinking fund on local debentures .....					
Other assets .....			4.18		
Frequency standardization expenditure in suspense .....					
Equity in H-E.P.C. systems .....	69,391.07 23,445.97	26,129.82 67.96	46,257.98 24,026.64	83,552.90 47,070.28	30,689.69 14,989.93
Total .....	92,837.04	26,197.78	70,284.62	130,623.18	45,679.62
<b>LIABILITIES</b>					
Debenture balance .....		24,000.00			
Accounts payable .....	2,959.49	7.40	537.96		
Bank overdraft .....				1,841.35	
Other liabilities .....	521.84		92.00	125.00	370.00
Total liabilities .....	3,481.33	24,007.40	629.96	1,966.35	370.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	23,445.97	67.96	24,026.64	47,070.28 50.00	14,989.93
Other reserves .....					
	23,445.97	67.96	24,026.64	47,120.28	14,989.93
<b>SURPLUS</b>					
Debentures paid .....	14,000.00		6,370.29	11,373.63	15,091.58
Local sinking fund .....					
Operating surplus .....	51,909.74	2,122.42	39,257.73	70,162.92	15,228.11
Net frequency standardization expense charged this year .....					
Total surplus .....	65,909.74	2,122.42	45,628.02	81,536.55	30,319.69
Total .....	92,837.04	26,197.78	70,284.62	130,623.18	45,679.62

## Utilities as at December 31, 1952

Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton	Midland
\$	\$	\$	\$	\$	\$	\$
126.15		1,144.18	17,741.50		52,306.15	26,727.00
	407.79	2,593.47			105,902.94	168,946.34
4,174.55	18,386.95	54,295.43	12,286.80	17,540.53	76,100.32	150,486.27
2,400.96	7,393.34	29,456.59	6,608.58	6,944.01	36,895.27	60,930.35
2,007.82	5,242.87	26,790.81	4,682.22	6,536.94	36,654.97	62,855.20
679.01	2,491.13	12,086.99	1,168.68	798.36	9,122.57	23,214.64
36.94	452.42	3,275.25	421.50	595.09	7,461.79	11,723.52
9,425.43	34,374.50	129,642.72	42,909.28	32,414.93	324,444.01	504,883.32
2,394.42	5,226.45	30,623.85	10,303.31	3,186.60	64,998.87	240,530.48
7,031.01	29,148.05	99,018.87	32,605.97	29,228.33	259,445.14	264,352.84
2,879.13	1,291.68	31,819.81	6,390.02	12,559.85	37,176.42	25,199.57
2,500.00	2,500.00	25,000.00			87,000.00	87,000.00
424.48	1,037.03	2,286.15	1,018.48	3,699.16	5,717.67	4,465.90
		7,614.48	399.34		13,088.81	10,142.89
					22.22	3,744.61
			5.00		1,450.00	
12,834.62	33,976.76	165,739.31	40,418.81	45,487.34	403,900.26	394,905.81
5,033.02	20,846.65	80,170.09	23,620.11	1,058.86	532,636.44	477,900.56
17,867.64	54,823.41	245,909.40	64,038.92	46,546.20	936,536.70	872,806.37
393.77	1,615.85	14.07	1,399.14	23,200.00		
				2,135.38	858.66	38,708.93
30.00	112.94	1,888.23	85.28	325.00	1,291.59	1,790.76
423.77	1,728.79	1,902.30	1,484.42	25,660.38	2,150.25	40,499.69
5,033.02	20,846.65	80,170.09	23,620.11	1,058.86	532,636.44	477,900.56
81.02	295.87	115.42	23.40			1,302.06
5,114.04	21,142.52	80,285.51	23,643.51	1,058.86	532,636.44	479,202.62
5,346.73	13,642.40	47,724.76	13,122.36	1,800.00	32,186.21	111,944.99
6,983.10	18,309.70	115,996.83	25,788.63	18,026.96	369,563.80	241,159.07
12,329.83	31,952.10	163,721.59	38,910.99	19,826.96	401,750.01	353,104.06
17,867.64	54,823.41	245,909.40	64,038.92	46,546.20	936,536.70	872,806.37

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Mildmay	Millbrook	Milton	Milverton	Mimico
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....			17,085.21	761.88	105,823.85
Substation equipment.....			47,949.60		77,998.08
Distribution system, overhead....	10,374.23	13,807.30	51,983.77	17,682.52	134,969.97
Distribution system, underground..					
Line transformers.....	10,561.10	5,806.99	29,098.70	18,452.31	83,770.86
Meters.....	6,091.64	4,331.67	23,863.53	9,802.72	56,316.74
Street light equipment, regular....	1,931.57	2,355.54	21,953.21	1,039.74	15,115.78
Miscellaneous construction expense	39.06		6,242.35	339.73	19,464.62
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	28,997.60	26,301.50	198,176.37	48,078.90	493,459.90
Less reserve for depreciation.....	2,416.72	5,455.10	38,642.23	11,237.82	145,172.48
	26,580.88	20,846.40	159,534.14	36,841.08	348,287.42
Bank and cash balance.....	4,080.05	6,724.18	5,258.23	17.33	29,492.84
Securities and investments.....	8,500.00	4,000.00		4,000.00	25,000.00
Accounts receivable.....	31.83	42.85	2,972.73	660.06	2,291.90
Inventories.....			2,129.47	140.02	2,842.85
Sinking fund on local debentures..					
Other assets.....			186.91	10.00	883.88
Frequency standardization expenditure in suspense.....			2,039.28	6.00	115,788.12
	39,192.76	31,613.43	172,120.76	41,674.49	524,587.01
Equity in H-E.P.C. systems.....	11,713.46	6,100.34	216,842.31	86,561.26	322,406.38
Total.....	50,906.22	37,713.77	388,963.07	128,235.75	846,993.39
<b>LIABILITIES</b>					
Debenture balance.....			26,000.00		121,000.00
Accounts payable.....		837.18	161.74	423.31	
Bank overdraft.....				1,505.05	
Other liabilities.....	255.73	145.04	499.56		13,647.72
Total liabilities.....	255.73	982.22	26,661.30	1,928.36	134,647.72
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	11,713.46	6,100.34	216,842.31	86,561.26	322,406.38
Other reserves.....			1,802.47		582.33
	11,713.46	6,100.34	218,644.78	86,561.26	322,988.71
<b>SURPLUS</b>					
Debentures paid.....	12,303.50	9,000.00	33,046.41	9,500.00	131,000.00
Local sinking fund.....					
Operating surplus.....	26,633.53	21,631.21	110,610.58	30,246.13	258,356.96
Net frequency standardization expense charged this year.....					
Total surplus.....	38,937.03	30,631.21	143,656.99	39,746.13	389,356.96
Total.....	50,906.22	37,713.77	388,963.07	128,235.75	846,993.39



## Utilities as at December 31, 1952

Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee	Neustadt
\$	\$	\$	\$	\$	\$	\$
27,630.98		10,773.98		3,726.00	25,064.83	
20,122.70		4,499.48		686.75	2,358.27	
43,808.66	6,051.63	21,898.42	14,216.51	34,110.40	81,157.29	13,050.90
29,375.73	3,203.69	13,389.50	6,841.53	19,559.52	32,677.51	10,448.79
19,786.14	2,250.72	13,547.15	5,410.60	18,171.49	31,069.32	4,118.83
8,435.65	406.36	7,865.31	1,853.04	5,409.11	8,721.84	1,900.76
9,510.36	83.47	1,816.06		2,831.01	8,702.82	318.17
158,670.22	11,995.87	73,789.90	28,321.68	84,494.28	189,751.88	29,837.45
37,033.73	3,941.46	4,936.20	6,453.43	26,342.14	39,354.63	10,543.37
121,636.49	8,054.41	68,853.70	21,868.25	58,152.14	150,397.25	19,294.08
100.00	3,702.41	2,388.29	1,497.00	16,428.46	5,985.10	3,539.91
9,950.00	2,500.00	16,000.00	1,000.00	20,000.00	12,800.00	14,700.00
9,069.42	233.29	4,482.48	1,224.00	411.93	23,814.53	58.17
15,170.01		4,555.40	1,317.14	129.96	14,569.89	
574.58					10.70	
21,349.94	95.50					
177,850.44	14,585.61	96,279.87	26,906.39	95,122.49	207,577.47	37,592.16
102,302.49	13,747.35	15,588.06	16,839.82	77,839.03	113,123.85	12,650.58
280,152.93	28,332.96	111,867.93	43,746.21	172,961.52	320,701.32	50,242.74
24,200.00						
1,378.97	60.00	1,061.22	1,198.67	70.96	150.00	2,114.36
6,990.12						
286.00	7.22	2,323.39	130.10	135.00	2,405.55	333.85
32,855.09	67.22	3,384.61	1,328.77	205.96	2,555.55	2,448.21
102,302.49	13,747.35	15,588.06	16,839.82	77,839.03	113,123.85	12,650.58
1,352.49			94.03			
103,654.98	13,747.35	15,588.06	16,933.85	77,839.03	113,123.85	12,650.58
23,095.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00	15,504.12
120,547.64	10,018.39	61,259.26	23,288.47	69,564.90	135,021.92	19,639.83
			2,024.88			
143,642.86	14,518.39	92,895.26	25,483.59	94,916.53	205,021.92	35,143.95
280,152.93	28,332.96	111,867.93	43,746.21	172,961.52	320,701.32	50,242.74

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Newboro	Newburgh	Newbury	Newcastle	New Hamburg
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....				107.37	4,238.26
Substation equipment.....					1,319.80
Distribution system, overhead....	12,375.90	17,392.41	7,977.89	22,873.60	31,358.31
Distribution system, underground..					
Line transformers.....	3,086.30	5,569.20	2,966.14	10,330.34	20,397.10
Meters.....	2,835.54	4,152.89	2,027.59	7,265.10	15,252.38
Street light equipment, regular....	1,055.29	1,186.86	894.16	2,315.71	3,372.07
Miscellaneous construction expense	1,342.37	89.03		1,108.80	3,348.37
Steam or hydraulic plant.....					
Old plant.....					
Other capital assets.....					
Total plant.....	20,695.40	28,390.39	13,865.78	44,000.92	79,286.29
Less reserve for depreciation.....	1,519.70	11,784.25	7,409.17	15,581.29	20,499.11
	19,175.70	16,606.14	6,456.61	28,419.63	58,787.18
Bank and cash balance.....	4,850.56	2,785.46	4,752.76	4,355.87	473.16
Securities and investments.....			6,500.00	10,500.00	11,000.00
Accounts receivable.....	9.41	239.12	797.72	89.18	2,133.34
Inventories.....				1,987.88	1,608.83
Sinking fund on local debentures..					
Other assets.....					44.00
Frequency standardization expendi- ture in suspense.....			33.00		10.00
	24,035.67	19,630.72	18,540.09	45,352.56	74,056.51
Equity in H-E.P.C. systems.....	505.76	723.76	9,486.20	11,620.15	105,626.97
Total.....	24,541.43	20,354.48	28,026.29	56,972.71	179,683.48
<b>LIABILITIES</b>					
Debenture balance.....	15,044.48	11,500.00			
Accounts payable.....	142.17	628.77	381.35		0.82
Bank overdraft.....					
Other liabilities.....	88.00	109.00	67.84		158.84
Total liabilities.....	15,274.65	12,237.77	449.19		159.66
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	505.76	723.76	9,486.20	11,620.15	105,626.97
Other reserves.....					33.83
	505.76	723.76	9,486.20	11,620.15	105,660.80
<b>SURPLUS</b>					
Debentures paid.....	1,955.52	2,500.00	9,754.39	14,000.00	17,729.08
Local sinking fund.....					
Operating surplus.....	6,805.50	4,892.95	8,336.51	31,352.56	56,133.94
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	8,761.02	7,392.95	18,090.90	45,352.56	73,863.02
Total.....	24,541.43	20,354.48	28,026.29	56,972.71	179,683.48

## Utilities as at December 31, 1952

Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp. (V.A.)	Norwich	Norwood
\$	\$	\$	\$	\$	\$	\$
4,000.00	65,433.93	4,463.20	142,251.10	137,888.26	4,697.92	.....
5,000.00	20,535.14	31,599.94	376,818.91	709,930.75	.....	.....
103,908.65	156,377.55	58,369.26	332,561.63	2,426,339.85	15,371.99	55,168.65
.....	17,198.72	.....	32,289.04	.....	.....	.....
68,578.88	125,955.74	38,940.63	265,574.44	1,198,948.96	13,887.09	11,464.69
46,853.94	74,884.60	22,928.90	192,042.23	647,950.00	13,061.82	9,788.33
22,034.11	26,297.83	5,209.80	146,879.18	156.00	5,082.22	7,613.43
5,632.82	7,343.53	2,427.11	34,031.00	149,044.34	3,638.52	394.80
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
256,008.40	494,027.04	163,938.84	1,522,447.53	5,270,258.16	55,739.56	84,429.90
52,188.81	113,216.32	41,508.84	471,441.98	550,369.84	15,328.32	9,562.55
203,819.59	380,810.72	122,430.00	1,051,005.55	4,719,888.32	40,411.24	74,867.35
25.00	39,461.25	3,510.34	4,386.47	116,868.82	2,163.18	1,331.01
.....	70,000.00	10,000.00	160,000.00	10,000.00	12,300.00	.....
2,603.85	6,003.36	6,406.82	8,085.66	263,580.55	1,099.80	503.71
122.44	13,499.26	9,449.34	44,715.65	101,408.91	4,743.26	.....
40.00	.....	.....	2,710.01	.....	294.37	.....
.....	48,153.59	.....	.....	202,828.12	.....	.....
206,610.88	557,928.18	151,796.50	1,270,903.34	5,414,574.72	61,011.85	76,702.07
45,828.92	1,095,595.02	76,277.40	1,180,604.10	740,862.80	76,954.10	16,280.50
252,439.80	1,653,523.20	228,073.90	2,451,507.44	6,155,437.52	137,965.95	92,982.57
55,682.42	.....	2,400.00	.....	3,451,952.22	.....	17,000.00
2,854.55	1,567.67	1,527.25	10,563.74	24,693.97	5,000.10	662.07
4,332.10	.....	.....	7,267.09	.....	.....	.....
2,142.42	7,189.69	1,134.41	29,908.76	64,708.55	616.01	500.87
65,011.49	8,757.36	5,061.66	47,739.59	3,541,354.74	5,616.11	18,162.94
45,828.92	1,095,595.02	76,277.40	1,180,604.10	740,862.80	76,954.10	16,280.50
593.00	719.48	586.67	856.68	44,698.78	405.84	.....
46,421.92	1,096,314.50	76,864.07	1,181,460.78	785,541.58	77,359.94	16,280.50
9,317.58	8,000.00	46,107.67	690,243.00	776,069.65	13,756.00	38,100.00
131,688.81	540,451.34	100,040.50	539,840.39	1,052,451.55	41,233.90	20,439.13
.....	.....	.....	7,776.32	.....	.....	.....
141,006.39	548,451.34	146,148.17	1,222,307.07	1,828,521.20	54,989.90	58,539.13
252,439.80	1,653,523.20	228,073.90	2,451,507.44	6,155,437.52	137,965.95	92,982.57



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Oakville	Oil Springs	Omemece	Orangeville	Orono
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....	802.15	6,457.31	200.00	2,585.07	.....
Substation equipment.....	32,388.04	2,461.78	769.83	.....	.....
Distribution system, overhead....	167,285.58	17,303.22	22,141.63	70,033.90	13,162.85
Distribution system, underground..	647.42	.....	.....	.....	.....
Line transformers.....	85,701.48	9,877.09	10,663.34	36,229.11	8,789.77
Meters.....	70,305.99	5,621.54	5,791.38	24,799.26	5,109.71
Street light equipment, regular....	26,179.87	1,015.13	2,502.07	27,113.73	2,294.77
Miscellaneous construction expense	13,884.69	239.03	415.40	1,443.98	2,160.36
Steam or hydraulic plant.....	.....	.....	.....	.....	.....
Old plant.....	.....	.....	.....	.....	.....
Other capital assets.....	.....	.....	.....	.....	.....
Total plant.....	397,195.22	42,975.10	42,483.65	162,205.05	31,517.46
Less reserve for depreciation.....	123,725.83	17,039.66	15,041.15	27,214.28	6,079.48
	273,469.39	25,935.44	27,442.50	134,990.77	25,437.98
Bank and cash balance.....	14,901.54	9,567.98	2,588.89	20.00	2,401.51
Securities and investments.....	.....	6,500.00	11,000.00	26,000.00	8,000.00
Accounts receivable.....	12,752.95	253.68	134.18	1,410.15	214.07
Inventories.....	24,301.72	354.45	.....	283.43	1,282.51
Sinking fund on local debentures..	.....	.....	.....	.....	.....
Other assets.....	.....	31.55	27.12	2,170.09	.....
Frequency standardization expenditure in suspense.....	21.64	.....	.....	.....	.....
	325,447.24	42,643.10	41,192.69	164,874.44	37,336.07
Equity in H-E.P.C. systems.....	30,896.65	47,667.01	7,931.03	105,659.79	5,488.41
Total.....	356,343.89	90,310.11	49,123.72	270,534.23	42,824.48
<b>LIABILITIES</b>					
Debenture balance.....	101,000.00	.....	.....	.....	.....
Accounts payable.....	14,274.07	59.06	217.47	1,172.51	904.40
Bank overdraft.....	.....	.....	.....	8,650.50	.....
Other liabilities.....	4,010.00	25.00	158.83	1,018.00	.....
Total liabilities.....	119,284.07	84.06	376.30	10,841.01	904.40
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	30,896.65	47,667.01	7,931.03	105,659.79	5,488.41
Other reserves.....	4,988.17	85.23	45.14	40.38	.....
	35,884.82	47,752.24	7,976.17	105,700.17	5,488.41
<b>SURPLUS</b>					
Debentures paid.....	.....	16,721.31	12,000.00	25,594.32	8,000.00
Local sinking fund.....	.....	.....	.....	.....	.....
Operating surplus.....	201,175.00	25,752.50	28,771.25	128,398.73	28,431.67
Net frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total surplus.....	201,175.00	42,473.81	40,771.25	153,993.05	36,431.67
Total.....	356,343.89	90,310.11	49,123.72	270,534.23	42,824.48

## Utilities as at December 31, 1952

Oshawa	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris
\$	\$	\$	\$	\$	\$	\$
214,072.08	2,104,438.32	738.91	73,915.13	.....	247.25	13,570.15
461,755.03	4,133,128.20	.....	107,428.79	1,923.46	.....	81,150.93
767,680.64	3,158,753.47	13,531.73	253,938.48	20,837.83	40,033.84	90,644.73
201,969.31	832,090.11	.....	8,064.57	.....	.....	.....
310,191.35	1,992,029.83	10,187.10	113,478.66	8,503.68	21,783.97	58,562.87
273,071.68	1,140,936.70	4,744.24	114,261.86	6,262.73	14,724.30	30,282.68
166,501.25	371,219.05	1,979.19	64,203.97	2,911.55	12,935.62	19,542.88
73,639.27	107,045.39	885.78	11,329.69	266.97	2,266.18	8,718.93
.....	1,732,296.10	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
2,468,880.61	15,571,937.17	32,066.95	746,621.15	40,706.22	91,991.16	302,473.17
429,305.76	3,768,703.45	10,229.79	123,275.27	7,685.71	28,739.73	87,153.91
2,039,574.85	11,803,233.72	21,837.16	623,345.88	33,020.51	63,251.43	215,319.26
21,796.88	283,604.65	537.59	420.00	7,594.99	13,600.93	3,542.75
100,000.00	188,000.00	4,500.00	70,000.00	4,500.00	20,600.00	.....
142,982.69	615,835.30	207.73	41,084.73	60.84	487.58	1,147.40
73,313.67	610,470.71	211.00	33,060.49	180.00	9,035.61	143.74
.....	.....	.....	.....	.....	.....	.....
1,936.44	86,226.56	.....	.....	.....	14.00	173.97
.....	.....	61.00	.....	.....	.....	1,420.00
2,379,604.53	13,587,370.94	27,354.48	767,911.10	45,356.34	106,989.55	221,747.12
1,451,811.95	991,770.07	19,785.69	551,338.33	24,798.02	94,361.27	244,661.19
3,831,416.48	14,579,141.01	47,140.17	1,319,249.43	70,154.36	201,350.82	466,408.31
.....	.....	.....	.....	.....	.....	.....
.....	6,181,000.00	.....	89,000.00	.....	.....	24,200.00
192,409.71	486,586.73	349.69	29,833.74	.....	111.02	1,088.02
.....	.....	.....	860.48	.....	.....	.....
39,064.35	.....	81.38	14,191.52	92.42	283.43	.....
231,474.06	6,667,586.73	431.07	133,885.74	92.42	394.45	25,288.02
1,451,811.95	991,770.07	19,785.69	551,338.33	24,798.02	94,361.27	244,661.19
77,521.41	209,049.63	15.54	2,115.05	.....	263.97	151.32
1,529,333.36	1,200,819.70	19,801.23	553,453.38	24,798.02	94,625.24	244,812.51
302,622.40	1,799,000.00	4,500.00	118,718.00	13,623.35	27,000.00	92,800.00
1,767,986.66	4,911,734.58	22,407.87	513,192.31	31,640.57	79,331.13	103,507.78
.....	.....	.....	.....	.....	.....	.....
2,070,609.06	6,710,734.58	26,907.87	631,910.31	45,263.92	106,331.13	196,307.78
3,831,416.48	14,579,141.01	47,140.17	1,319,249.43	70,154.36	201,350.82	466,408.31

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Parkhill	Parry Sound	Penetang- uishene	Perth
ASSETS	\$	\$	\$	\$
Lands and buildings.....		18,317.02	2,288.05	5,109.34
Substation equipment.....		22,043.00	7,161.13	19,218.26
Distribution system, overhead.....	31,067.70	66,900.79	74,346.75	87,015.07
Distribution system, underground.....				
Line transformers.....	16,068.20	36,452.94	35,105.48	53,616.28
Meters.....	9,615.71	36,982.56	28,777.77	35,495.91
Street light equipment, regular.....	9,112.10	20,818.95	13,123.53	28,929.71
Miscellaneous construction expense..	819.86	3,813.36	1,762.32	8,185.59
Steam or hydraulic plant.....		373,237.39		
Old plant.....				
Other capital assets.....				
Total plant.....	66,683.57	578,566.01	162,565.03	237,570.16
Less reserve for depreciation.....	6,898.25	121,256.07	63,216.90	75,674.00
	59,785.32	457,309.94	99,348.13	161,896.16
Bank and cash balance.....	10,036.49	20,993.38	4,008.58	19,693.52
Securities and investments.....		37,800.00	55,000.00	61,000.00
Accounts receivable.....	654.97	1,306.64	1,773.63	7,858.55
Inventories.....		76.00	197.79	23,187.26
Sinking fund on local debentures.....				
Other assets.....			5,208.45	
Frequency standardization expendi- ture in suspense.....				
	70,376.78	517,485.96	165,536.58	273,635.49
Equity in H-E.P.C. systems.....	43,773.40	6,248.01	138,956.07	167,417.74
Total.....	114,250.18	523,733.97	304,492.65	441,053.23
LIABILITIES				
Debenture balance.....	13,800.00			
Accounts payable.....	751.40	1,659.08		30.90
Bank overdraft.....				
Other liabilities.....	428.73	6,691.10	1,255.00	3,873.05
Total liabilities.....	14,980.13	8,350.18	1,255.00	3,903.95
RESERVES				
For equity in H-E.P.C. systems.....	43,773.40	6,248.01	138,956.07	167,417.74
Other reserves.....		150.00	891.36	7,279.53
	43,773.40	6,398.01	139,847.43	174,697.27
SURPLUS				
Debentures paid.....	15,830.02	388,500.00	36,982.95	85,045.30
Local sinking fund.....				
Operating surplus.....	43,882.06	120,485.78	126,407.27	177,406.71
Net frequency standardization ex- pense charged this year.....	4,215.43			
Total surplus.....	55,496.65	508,985.78	163,390.22	262,452.01
Total.....	114,250.18	523,733.97	304,492.65	441,053.23



## Utilities as at December 31, 1952

Peter- borough	Petrolia	Picton	Plattsville	Point Edward	Port Colborne	Port Credit
\$	\$	\$	\$	\$	\$	\$
239,312.36	38,667.89	15,061.79	.....	.....	57,310.72	675.00
584,156.75	4,971.75	52,552.35	.....	.....	.....	.....
899,628.91	73,828.25	68,556.82	8,928.27	50,509.70	196,203.49	103,149.07
26,170.93	.....	.....	.....	.....	.....	.....
373,516.37	49,238.50	34,624.34	6,452.98	19,965.24	94,690.38	51,088.13
256,062.97	27,687.73	35,287.80	3,501.17	17,776.86	69,429.23	34,232.40
151,476.33	12,363.96	11,401.39	171.79	9,242.32	14,792.33	8,594.02
35,665.48	9,083.57	1,215.35	.....	1,861.93	24,858.07	7,103.74
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
2,565,990.10	215,841.65	218,699.84	19,054.21	99,356.05	457,284.22	204,842.36
490,962.98	59,455.32	59,270.68	3,068.98	22,239.49	76,767.94	36,357.05
2,075,027.12	156,386.33	159,429.16	15,985.23	77,116.56	380,516.28	168,485.31
.....	50.00	13,415.33	6,298.97	27,613.33	140.00	13,687.15
.....	.....	3,500.00	4,500.00	25,000.00	75,000.00	1,000.00
100,560.56	6,386.94	503.41	581.08	3,449.58	397.83	3,891.93
50,824.63	19,884.89	11,888.74	.....	6,037.86	8,730.73	7,336.56
.....	.....	.....	.....	.....	.....	.....
1,515.30	746.17	.....	.....	.....	347.37	.....
.....	.....	.....	35.00	.....	.....	18,056.63
2,227,927.61	183,454.33	188,736.64	27,400.28	139,217.33	465,132.21	212,457.58
946,750.71	208,964.62	137,651.87	22,567.43	165,261.47	278,270.44	102,136.33
3,174,678.32	392,418.95	326,388.51	49,967.71	304,478.80	743,402.65	314,593.91
.....	.....	.....	.....	.....	.....	.....
526,200.00	.....	.....	.....	.....	.....	76,174.95
70,733.23	3,846.40	1,452.90	312.66	3,464.16	3,281.88	2,408.51
16,967.99	5,947.66	.....	.....	.....	5,962.35	.....
1,431.06	2,153.94	6,207.85	.....	769.35	6,682.37	1,956.40
615,332.28	11,948.00	7,660.75	312.66	4,233.51	15,926.60	80,539.86
946,750.71	208,964.62	137,651.87	22,567.43	165,261.47	278,270.44	102,136.33
1,332.86	63.00	.....	.....	113.07	222.62	1,527.08
948,083.57	209,027.62	137,651.87	22,567.43	165,374.54	278,493.06	103,663.41
524,410.67	50,000.00	3,182.32	5,237.00	17,000.00	178,000.00	23,325.05
1,086,851.80	121,443.33	177,893.57	21,850.62	117,870.75	270,982.99	107,065.59
.....	.....	.....	.....	.....	.....	.....
1,611,262.47	171,443.33	181,075.89	27,087.62	134,870.75	448,982.99	130,390.64
3,174,678.32	392,418.95	326,388.51	49,967.71	304,478.80	743,402.65	314,593.91

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Port Dalhousie	Port Dover	Port Elgin	Port Hope	Port McNicoll
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings .....	5,630.49	248.75	2,843.05	18,685.52	.....
Substation equipment .....	.....	.....	.....	27,798.66	.....
Distribution system, overhead .....	52,294.87	63,647.38	43,828.41	103,946.76	22,711.62
Distribution system, underground .....	.....	.....	.....	.....	.....
Line transformers .....	30,696.81	33,741.85	24,357.17	60,324.77	5,169.96
Meters .....	21,561.18	22,729.76	16,772.91	60,025.82	7,153.62
Street light equipment, regular .....	3,044.19	3,967.70	4,853.85	15,058.97	884.59
Miscellaneous construction expense .....	4,191.99	2,718.12	1,127.19	13,145.97	223.25
Steam or hydraulic plant .....	.....	.....	.....	.....	.....
Old plant .....	.....	.....	.....	.....	.....
Other capital assets .....	.....	.....	.....	.....	.....
Total plant .....	117,419.53	127,053.56	93,782.58	298,986.47	36,143.04
Less reserve for depreciation .....	14,394.03	37,277.95	13,408.43	60,903.86	5,624.24
	103,025.50	89,775.61	80,374.15	238,082.61	30,518.80
Bank and cash balance .....	2,712.32	1,986.36	10,259.22	9,631.62	4,374.15
Securities and investments .....	.....	.....	4,500.00	.....	1,000.00
Accounts receivable .....	4,113.17	2,986.44	611.08	1,960.15	392.82
Inventories .....	1,141.38	.....	181.00	15,751.65	523.14
Sinking fund on local debentures .....	.....	.....	.....	.....	.....
Other assets .....	91.71	40.50	.....	613.58	.....
Frequency standardization expenditure in suspense .....	.....	151.00	.....	.....	.....
	111,084.08	94,939.91	95,925.45	266,039.61	36,808.91
Equity in H-E.P.C. systems .....	90,024.54	64,776.19	41,754.94	186,290.69	15,058.67
Total .....	201,108.62	159,716.10	137,680.39	452,330.30	51,867.58
<b>LIABILITIES</b>					
Debenture balance .....	12,498.77	.....	.....	13,700.00	2,100.00
Accounts payable .....	389.28	5,829.22	732.90	.....	432.02
Bank overdraft .....	.....	.....	.....	.....	.....
Other liabilities .....	2,001.78	1,032.30	.....	16,302.27	391.10
Total liabilities .....	14,889.83	6,861.52	732.90	30,002.27	2,923.12
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	90,024.54	64,776.19	41,754.94	186,290.69	15,058.67
Other reserves .....	214.16	.....	.....	1,220.22	.....
	90,238.70	64,776.19	41,754.94	187,510.91	15,058.67
<b>SURPLUS</b>					
Debentures paid .....	27,001.23	29,000.00	37,787.00	79,930.64	7,703.58
Local sinking fund .....	.....	.....	.....	.....	.....
Operating surplus .....	68,978.86	59,078.39	57,405.55	154,886.48	26,182.21
Net frequency standardization expense charged this year .....	.....	.....	.....	.....	.....
Total surplus .....	95,980.09	88,078.39	95,192.55	234,817.12	33,885.79
Total .....	201,108.62	159,716.10	137,680.39	452,330.30	51,867.58

## Utilities as at December 31, 1952

Port Perry	Port Rowan	Port Stanley	Prescott	Preston	Priceville	Princeton
\$	\$	\$	\$	\$	\$	\$
2,564.65		1,574.60	2,761.54	52,939.28	68.00	
39,884.16	20,018.27	54,754.54	66,231.64	191,167.93		
				133,574.96	10,238.03	7,166.04
16,513.50	8,381.98	31,198.23	35,110.20	108,293.24	2,706.93	5,479.26
11,832.93	4,603.13	21,209.68	29,394.04	60,129.77	968.47	2,974.15
3,072.02	1,243.62	3,539.39	8,609.92	11,352.65	854.96	535.07
206.47	441.94	829.27	5,602.89	8,377.34	165.60	
				16,484.00		
74,073.73	34,688.94	113,105.71	147,710.23	582,319.17	15,001.99	16,154.52
7,261.69	4,913.31	26,295.62	61,786.21	132,214.78	2,203.34	3,756.06
66,812.04	29,775.63	86,810.09	85,924.02	450,104.39	12,798.65	12,398.46
8,815.94	2,978.03	6,244.76	31,933.80	8,707.20	3,098.58	3,745.63
16,000.00		18,000.00				7,000.00
531.28	401.77	1,256.20	1,754.56	22,967.66	6.18	1,042.88
		1,818.61	3,459.88	22,573.35		
1,818.40	10.00			5,078.95		
	106.48			13,497.82		24.00
93,977.66	33,271.91	114,129.66	123,072.26	522,929.37	15,903.41	24,210.97
42,718.06	16,651.58	94,342.80	120,201.41	549,454.16	2,135.19	21,843.27
136,695.72	49,923.49	208,472.46	243,273.67	1,072,383.53	18,038.60	46,054.24
			9,900.00	244,300.00	5,400.00	
1,353.58	1,615.55	633.60	2,310.00	38,694.26	1,365.82	
613.55	300.00	323.00	1,316.40	2,840.13		
1,967.13	1,915.55	956.60	13,526.40	285,834.39	6,765.82	
42,718.06	16,651.58	94,342.80	120,201.41	549,454.16	2,135.19	21,843.27
		197.72		580.39		
42,718.06	16,651.58	94,540.52	120,201.41	550,034.55	2,135.19	21,843.27
19,881.66	11,000.00	18,950.00	14,270.99	158,500.00	6,766.10	3,550.00
72,128.87	20,356.36	94,025.34	95,274.87	78,014.59	2,371.49	20,660.97
92,010.53	31,356.36	112,975.34	109,545.86	236,514.59	9,137.59	24,210.97
136,695.72	49,923.49	208,472.46	243,273.67	1,072,383.53	18,038.60	46,054.24



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Queenston	Renfrew	Richmond	Richmond Hill	Ridge-town
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....		9,393.89			4,600.68
Substation equipment.....		35,983.80		600.00	1,024.24
Distribution system, overhead....	12,273.36	101,062.08	11,639.10	39,136.76	44,515.00
Distribution system, underground..					
Line transformers.....	5,059.75	73,725.84	7,296.61	38,034.72	26,676.35
Meters.....	3,189.28	52,126.74	4,299.01	18,627.26	16,266.65
Street light equipment, regular....	619.20	40,340.59	381.43	4,386.11	8,590.98
Miscellaneous construction expense	50.32	23,492.36	198.23	93.00	613.59
Steam or hydraulic plant.....		503,562.01			
Old plant.....					
Other capital assets.....					
Total plant.....	21,191.91	839,687.31	23,814.38	100,877.85	102,287.49
Less reserve for depreciation.....	5,255.93	135,167.04	4,216.44	20,621.32	17,218.83
	15,935.98	704,520.27	19,597.94	80,256.53	85,068.66
Bank and cash balance.....	1,957.83	92,468.20		4,486.69	50.00
Securities and investments.....	6,500.00	50,000.00			
Accounts receivable.....	365.87	21,561.87	629.01	507.58	823.65
Inventories.....		21,373.81			
Sinking fund on local debentures..					
Other assets.....				1,000.00	43.00
Frequency standardization expendi- ture in suspense.....	164.00				527.32
	24,923.68	889,924.15	20,226.95	86,250.80	86,512.63
Equity in H-E.P.C. systems.....	15,273.21	18,424.84	9,007.16	53,776.10	91,810.14
Total.....	40,196.89	908,348.99	29,234.11	140,026.90	178,322.77
LIABILITIES					
Debenture balance.....		213,120.83		9,681.24	
Accounts payable.....		9,948.65	1,991.52	10,861.71	2,879.75
Bank overdraft.....			940.39		3,840.43
Other liabilities.....	145.00		155.45	1,630.74	1,115.00
Total liabilities.....	145.00	223,069.48	3,087.36	22,173.69	7,835.18
RESERVES					
For equity in H-E.P.C. systems....	15,273.21	18,424.84	9,007.16	53,776.10	91,810.14
Other reserves.....		562.14		112.37	205.93
	15,273.21	18,986.98	9,007.16	53,888.47	92,016.07
SURPLUS					
Debentures paid.....	9,500.00	498,115.90	5,887.33	12,518.76	19,455.99
Local sinking fund.....					
Operating surplus.....	15,278.68	168,176.63	11,252.26	51,445.98	59,015.53
Net frequency standardization ex- pense charged this year.....					
Total surplus.....	24,778.68	666,292.53	17,139.59	63,964.74	78,471.52
Total.....	40,196.89	908,348.99	29,234.11	140,026.90	178,322.77

## Utilities as at December 31, 1952

Ripley	Riverside	Rockwood	Rodney	Rosseau	Russell	St. Catharines
\$	\$	\$	\$	\$	\$	\$
	12,861.37					31,662.35
	8,849.98					400,678.05
15,673.41	174,995.06	13,557.78	16,979.35	10,067.28	15,250.98	615,419.10
7,733.59	73,688.13	5,674.83	12,264.56	4,484.63	4,868.97	450,602.47
4,100.57	66,782.58	5,795.70	7,527.65	1,481.53	3,336.52	305,365.36
1,030.38		1,376.34	4,111.99	623.60	1,573.39	49,658.53
	9,905.07		57.21	1,139.26	201.42	32,094.00
28,537.95	347,082.19	26,404.65	40,940.76	17,796.30	25,231.28	1,885,479.86
3,396.24	71,773.96	10,314.18	10,744.87	4,346.03	2,090.83	437,037.74
25,141.71	275,308.23	16,090.47	30,195.89	13,450.27	23,140.45	1,448,442.12
6,752.16	200.00	5,435.67	545.61	347.58	6,657.82	200.00
		3,300.00	8,200.00	1,500.00	1,000.00	150,000.00
34.01	10,601.58	99.34	168.44	228.05	1,136.77	144,822.04
	12,067.21	88.83				63,541.41
	67.16					3,515.06
			10.00			
31,927.88	298,244.18	25,014.31	39,119.94	15,525.90	31,935.04	1,810,520.63
18,424.27	190,605.90	24,268.92	29,724.66	8,898.69	12,968.63	1,738,174.75
50,352.15	488,850.08	49,283.23	68,844.60	24,424.59	44,903.67	3,548,695.38
	41,337.94			1,069.25		
996.15	957.25	1,270.90	2,671.10	311.32	398.37	104,441.73
	2,341.96					172,559.61
706.63	3,254.60	258.68	340.00	40.00	120.00	26,579.50
1,702.78	47,891.75	1,529.58	3,011.10	1,420.57	518.37	303,580.84
18,424.27	190,605.90	24,268.92	29,724.66	8,898.69	12,968.63	1,738,174.75
	135.37		73.15	68.74		3,202.67
18,424.27	190,741.27	24,268.92	29,797.81	8,967.43	12,968.63	1,741,377.42
12,744.49	86,162.06	4,500.00	8,500.00	11,930.75	8,808.12	302,022.91
17,480.61	164,189.86	18,984.73	27,535.69	2,105.84	22,608.55	1,210,428.41
	134.86					8,714.20
30,225.10	250,217.06	23,484.73	36,035.69	14,036.59	31,416.67	1,503,737.12
50,352.15	488,850.08	49,283.23	68,844.60	24,424.59	44,903.67	3,548,695.38

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	St. Clair Beach	St. George	St. Jacobs	St. Mary's
ASSETS	\$	\$	\$	\$
Lands and buildings.....				21,611.43
Substation equipment.....				45,157.55
Distribution system, overhead.....	18,952.61	11,213.81	12,558.52	103,315.96
Distribution system, underground.....				
Line transformers.....	6,545.09	8,865.00	8,701.56	61,348.63
Meters.....	4,537.61	5,402.05	5,096.21	37,434.39
Street light equipment, regular.....	1,570.30	2,302.03	541.98	9,602.22
Miscellaneous construction expense.....		166.50	36.75	21,545.67
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	31,605.61	27,949.39	26,935.02	300,015.85
Less reserve for depreciation.....	8,815.43	3,415.19	6,635.32	84,962.22
	22,790.18	24,534.20	20,299.70	215,053.63
Bank and cash balance.....		9,982.80	5,481.60	10,476.54
Securities and investments.....	3,000.00	6,000.00	10,000.00	12,500.00
Accounts receivable.....	525.99	564.27	32.00	3,477.62
Inventories.....				8,301.48
Sinking fund on local debentures.....				
Other assets.....		40.00	10.00	769.17
Frequency standardization expenditure in suspense.....				30,610.89
	26,316.17	41,121.27	35,823.30	281,189.33
Equity in H-E.P.C. systems.....	15,621.79	29,930.88	37,780.00	277,080.51
Total.....	41,937.96	71,052.15	73,603.30	558,269.84
LIABILITIES				
Debenture balance.....				73,398.79
Accounts payable.....	170.23	291.77	3.08	1,251.71
Bank overdraft.....	201.53			
Other liabilities.....	155.00	630.00		1,629.00
Total liabilities.....	526.76	921.77	3.08	76,279.50
RESERVES				
For equity in H-E.P.C. systems.....	15,621.79	29,930.88	37,780.00	277,080.51
Other reserves.....	34.74			701.02
	15,656.53	29,930.88	37,780.00	277,781.53
SURPLUS				
Debentures paid.....	6,341.45	6,000.00	6,000.00	120,861.59
Local sinking fund.....				
Operating surplus.....	19,413.22	34,199.50	29,820.22	83,347.22
Net frequency standardization expense charged this year.....				
Total surplus.....	25,754.67	40,199.50	35,820.22	204,208.81
Total.....	41,937.96	71,052.15	73,603.30	558,269.84



## Utilities as at December 31, 1952

St. Thomas	Sarnia	Scarborough Twp. (V.A.)	Seaforth	Shelburne	Simcoe
\$	\$	\$	\$	\$	\$
191,670.62	227,641.56	473,695.95	1,836.39	800.00	11,905.59
175,282.50	400,305.47	141,841.58	24,157.89	566.60	76,261.92
208,493.09	588,430.03	1,117,332.53	48,000.31	33,757.76	102,156.56
101,034.54	240,298.83				1,412.24
127,459.83	315,627.03	638,585.30	30,087.81	20,394.56	84,796.26
99,705.43	291,031.65	399,748.71	17,406.88	12,235.51	60,978.78
40,738.31	54,516.55	103,144.79	6,694.37	9,511.65	44,356.81
19,089.48	105,862.11	122,097.98	2,991.92	189.73	14,256.60
963,473.80	2,223,713.23	2,996,446.84	131,175.57	77,455.81	396,124.76
285,227.87	385,622.35	230,885.30	17,862.42	20,289.97	90,009.52
678,245.93	1,838,090.88	2,765,561.54	113,313.15	57,165.84	306,115.24
300.00	20,676.31	650,955.77	14,470.17		2,210.20
30,000.00	15,000.00		9,000.00		
29,146.61	113,859.52	55,323.93	6,652.39	820.68	5,712.25
42,691.42	102,814.89	81,179.65	627.04		19,040.05
2,486.41	17,106.07	200.00	148.20	610.00	402.12
2,698.39			17,624.87		2,079.00
785,568.76	2,107,547.67	3,553,220.89	161,835.82	58,596.52	335,558.86
1,062,001.45	1,393,506.44	549,015.28	132,716.25	42,759.11	265,433.10
1,847,570.21	3,501,054.11	4,102,236.17	294,552.07	101,355.63	600,991.96
	398,400.00	2,040,500.00	42,520.19		
339.68	379,376.91	237,216.66	648.55	506.13	728.04
48,150.00	109,464.13			1,582.90	
26,231.90	27,876.31	215,836.11	1,077.55	96.00	3,649.46
74,721.58	915,117.35	2,493,552.77	44,246.29	2,185.03	4,377.50
1,062,001.45	1,393,506.44	549,015.28	132,716.25	42,759.11	265,433.10
339.26	18,924.62	24,663.82			
1,062,340.71	1,412,431.06	573,679.10	132,716.25	42,759.11	265,433.10
138,944.07	389,600.00	350,068.27	32,479.81	16,991.04	75,434.90
577,579.47	801,684.14	684,936.03	85,109.72	39,420.45	255,746.46
6,015.62	17,778.44				
710,507.92	1,173,505.70	1,035,004.30	117,589.53	56,411.49	331,181.36
1,847,570.21	3,501,054.11	4,102,236.17	294,552.07	101,355.63	600,991.96

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Smith's Falls	Smithville	Southamp- ton	Springfield
ASSETS	\$	\$	\$	\$ *
Lands and buildings.....	66,365.03		25.00	
Substation equipment.....	53,044.31			
Distribution system, overhead.....	137,324.83	17,533.43	49,367.10	14,970.71
Distribution system, underground.....				
Line transformers.....	74,715.71	6,410.81	29,769.47	7,048.55
Meters.....	60,458.52	6,659.30	17,618.50	3,139.60
Street light equipment, regular.....	32,072.60	1,871.10	8,177.27	1,594.71
Miscellaneous construction expense..	5,589.23	1,645.41	648.79	167.34
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	429,570.23	34,120.05	105,606.13	26,920.91
Less reserve for depreciation.....	105,885.83	8,079.22	7,710.59	6,026.03
	323,684.40	26,040.83	97,895.54	20,894.88
Bank and cash balance.....	412.93	5,288.28	207.36	6,060.68
Securities and investments.....	17,000.00	12,500.00		500.00
Accounts receivable.....	1,608.34	410.92	442.29	154.34
Inventories.....	12,133.19	1,090.42		
Sinking fund on local debentures.....				
Other assets.....				
Frequency standardization expendi- ture in suspense.....				93.76
	354,838.86	45,330.45	98,545.19	27,703.66
Equity in H-E.P.C. systems.....	253,052.87	10,740.81	40,238.11	18,520.56
Total.....	607,891.73	56,071.26	138,783.30	46,224.22
LIABILITIES				
Debenture balance.....				
Accounts payable.....	1,050.52	132.51	1,821.78	95.76
Bank overdraft.....				
Other liabilities.....	400.33		204.17	35.00
Total liabilities.....	1,450.85	132.51	2,025.95	130.76
RESERVES				
For equity in H-E.P.C. systems.....	253,052.87	10,740.81	40,238.11	18,520.56
Other reserves.....	24.53			
	253,077.40	10,740.81	40,238.11	18,520.56
SURPLUS				
Debentures paid.....	122,787.33	15,000.00	30,522.93	9,500.00
Local sinking fund.....				
Operating surplus.....	230,576.15	30,197.94	65,996.31	18,072.90
Net frequency standardization ex- pense charged this year.....				
Total surplus.....	353,363.48	45,197.94	96,519.24	27,572.90
Total.....	607,891.73	56,071.26	138,783.30	46,224.22

## Utilities as at December 31, 1952

Stamford Twp. (V.A.)	Stayner	Stirling	Stoney Creek	Stouffville	Stratford	Strathroy
\$	\$	\$	\$	\$	\$	\$
34,451.96		9,266.88			141,941.92	13,441.29
138,644.13		33,825.83			287,475.74	52,044.74
417,384.76	30,992.55	12,855.76	48,328.96	25,651.79	187,433.68	73,589.38
					22,971.15	
205,174.57	16,527.65	10,554.76	37,747.61	21,805.03	193,090.50	53,337.11
157,566.92	12,936.84	9,523.00	20,683.27	11,102.40	128,505.13	27,250.65
31,528.85	4,240.56	3,559.79	4,859.80	2,673.75	21,892.46	9,221.12
23,433.95	653.50	741.33	222.64		45,370.07	11,916.98
1,008,185.14	65,351.10	80,327.35	111,842.28	61,232.97	1,028,680.65	240,801.27
185,688.22	11,777.92	23,094.89	6,346.71	10,092.34	508,294.86	64,102.00
822,496.92	53,573.18	57,232.46	105,495.57	51,140.63	520,385.79	176,699.27
82,806.40	262.39	10,807.43	1,826.70	430.90	4,732.44	15,577.54
6,000.00	4,000.00			4,000.00	244,000.00	
45,061.64	560.38	1,872.22	257.20	95.12	34,058.37	1,184.97
24,816.92		1,567.09		255.00	51,545.66	524.22
					44,990.51	
2,421.19					895.69	539.78
1,975.00					110,971.11	
985,578.07	58,395.95	71,479.20	107,579.47	55,921.65	1,011,579.57	194,525.78
242,546.34	38,212.65	24,183.97	8,168.06	43,753.91	1,216,835.30	197,243.34
1,228,124.41	96,608.60	95,663.17	115,747.53	99,675.56	2,228,414.87	391,769.12
440,241.68			34,038.20		50,000.00	
1,587.42	484.41	15,067.51	15,992.44	1,628.18	1,757.92	2,716.86
					34,622.85	
9,276.87	344.18	410.93	650.00	911.02	7,732.44	1,742.59
451,105.97	828.59	15,478.44	50,680.64	2,539.20	94,113.21	4,459.45
242,546.34	38,212.65	24,183.97	8,168.06	43,753.91	1,216,835.30	197,243.34
16,907.73	25.20			50.96	3,100.78	121.05
259,454.07	38,237.85	24,183.97	8,168.06	43,804.87	1,219,936.08	197,364.39
275,036.49	9,557.26	10,000.00	5,961.80	14,673.90	405,800.00	53,888.85
					44,900.51	
248,459.96	47,984.90	46,000.76	50,937.03	38,657.59	463,575.07	147,814.22
5,932.08						11,757.79
517,564.37	57,542.16	56,000.76	56,898.83	53,331.49	914,365.58	189,945.28
1,228,124.41	96,608.60	95,663.17	115,747.53	99,675.56	2,228,414.87	391,769.12



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Streetsville	Sunderland	Sundridge*	Sutton
ASSETS	\$	\$	\$	\$
Lands and buildings .....	12,909.65			
Substation equipment .....	1,172.04			
Distribution system, overhead .....	18,842.27	10,602.79	20,209.59	32,548.62
Distribution system, underground .....				
Line transformers .....	15,273.86	4,467.81	9,375.80	26,903.79
Meters .....	10,051.24	4,646.68	3,104.98	16,286.10
Street light equipment, regular .....	4,544.22	1,190.32	1,236.14	3,149.33
Miscellaneous construction expense ..	170.41		2,438.70	1,542.66
Steam or hydraulic plant .....	10,641.55			
Old plant .....			8,662.49	
Other capital assets .....				
Total plant .....	73,605.24	20,907.60	45,027.70	80,430.50
Less reserve for depreciation .....	10,013.11	5,034.71	2,050.00	17,155.11
	63,592.13	15,872.89	42,977.70	63,275.39
Bank and cash balance .....	1,921.95	6,658.29	3,615.56	9,190.53
Securities and investments .....				7,000.00
Accounts receivable .....	411.69	553.45	9,048.41	2,379.28
Inventories .....				
Sinking fund on local debentures .....				
Other assets .....	81.99			
Frequency standardization expenditure in suspense .....	75.00			
	66,082.76	23,084.63	55,641.67	81,845.20
Equity in H-E.P.C. systems .....	18,113.48	21,678.18		42,830.81
Total .....	84,196.24	44,762.81	55,641.67	124,676.01
LIABILITIES				
Debenture balance .....			35,000.00	
Accounts payable .....	1,284.76	219.76	18,329.71	3,406.99
Bank overdraft .....				
Other liabilities .....	465.65	10.00		15.00
Total liabilities .....	1,750.41	229.76	53,329.71	3,421.99
RESERVES				
For equity in H-E.P.C. systems .....	18,113.48	21,678.18		42,830.81
Other reserves .....	128.81	36.67	1,638.28	148.87
	18,242.29	21,714.85	1,638.28	42,979.68
SURPLUS				
Debentures paid .....	17,545.08	4,627.78		25,325.00
Local sinking fund .....				
Operating surplus .....	46,658.46	18,190.42	673.68	52,949.34
Net frequency standardization expense charged this year .....				
Total surplus .....	64,203.54	22,818.20	673.68	78,274.34
Total .....	84,196.24	44,762.81	55,641.67	124,676.01

\*6 months' operation.

## Utilities as at December 31, 1952

Swansea	Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville
\$	\$	\$	\$	\$	\$	\$
6,383.14		3,783.53	3,747.52	2,139.28		1,083.57
75,368.22						
147,521.15	18,774.67	25,768.75	67,900.00	28,795.65	15,680.64	24,183.98
75,845.72	5,665.52	14,257.90	22,701.48	11,395.69	8,157.24	16,010.16
50,592.33	4,245.06	9,777.82	24,498.34	7,754.29	5,641.92	8,148.79
25,040.20	2,782.30	1,392.54		4,306.12	767.43	3,066.93
21,723.12	112.92	5,688.74	1,006.74		206.03	772.08
402,473.88	31,580.47	60,669.28	119,854.08	54,391.03	30,453.26	53,265.51
68,149.06	4,848.77	18,136.46	33,120.87	10,018.91	5,820.40	14,130.88
334,324.82	26,731.70	42,532.82	86,733.21	44,372.12	24,632.86	39,134.63
69,051.54	4,897.13	4,467.04	14,271.55			50.00
		4,000.00	10,000.00	11,000.00		3,000.00
1,772.66	294.04	342.78	2,347.42	62.30	33.50	1,105.16
161.32		2,434.28	1,435.08			
81.68		134.00				3.36
55,339.04		6,168.22				
460,731.06	31,922.87	60,079.14	114,787.26	55,434.42	24,666.36	43,293.15
227,772.81	19,258.88	97,553.23	62,218.65	28,105.92	37,630.84	38,200.79
688,503.87	51,181.75	157,632.37	177,005.91	83,540.34	62,297.20	81,493.94
164,583.44		20,000.00			2,900.00	
836.03		2,126.64	1,421.85	88.90	186.21	547.19
				1,291.18	2,941.88	373.54
6,209.47			945.87	899.00	89.97	828.00
171,628.94		22,126.64	2,367.72	2,279.08	6,118.06	1,748.73
227,772.81	19,258.88	97,553.23	62,218.65	28,105.92	37,630.84	38,200.79
345.59		858.46	494.01			143.38
228,118.40	19,258.88	98,411.69	62,712.66	28,105.92	37,630.84	38,344.17
88,083.52	14,263.64	6,000.00	26,000.00	21,296.14	5,458.03	11,187.80
200,673.01	17,659.23	31,094.04	85,925.53	31,859.20	14,732.06	30,213.24
					1,641.79	
288,756.53	31,922.87	37,094.04	111,925.53	53,155.34	18,548.30	41,401.04
688,503.87	51,181.75	157,632.37	177,005.91	83,540.34	62,297.20	81,493.94

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Thedford	Thornbury	Thorndale	Thornton	Thorold
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....					18,605.59
Substation equipment.....		4,304.73			51,484.52
Distribution system, overhead.....	16,517.58	31,975.01	10,920.66	8,337.82	112,681.72
Distribution system, underground.....					
Line transformers.....	10,580.67	24,126.84	3,698.50	3,178.16	60,203.61
Meters.....	6,062.42	8,975.46	3,493.84	1,676.27	45,331.01
Street light equipment, regular.....	1,754.38	2,599.12	417.81	560.01	14,668.55
Miscellaneous construction expense..	185.86	531.25	26.10		11,846.26
Steam or hydraulic plant.....		36,000.00			
Old plant.....					
Other capital assets.....					
Total plant.....	35,100.91	108,512.41	18,556.91	13,752.26	314,821.26
Less reserve for depreciation.....	3,793.84	4,901.19	4,729.69	7,688.92	49,254.32
	31,307.07	103,611.22	13,827.22	6,063.34	265,566.94
Bank and cash balance.....	3,470.40	32.48	1,632.48	564.54	16,619.84
Securities and investments.....	8,000.00		1,100.00		
Accounts receivable.....	311.82	673.72	508.47	182.20	13,465.80
Inventories.....		50.05			12,680.17
Sinking fund on local debentures.....					
Other assets.....		779.04		86.85	
Frequency standardization expenditure in suspense.....					
	43,089.29	105,146.51	17,068.17	6,896.93	308,332.75
Equity in H-E.P.C. systems.....	22,516.97	3,883.91	18,301.53	7,295.54	247,304.06
Total.....	65,606.26	109,030.42	35,369.70	14,192.47	555,636.81
LIABILITIES					
Debenture balance.....		34,488.70			60,000.00
Accounts payable.....	304.11	4,086.72		368.06	23,566.42
Bank overdraft.....					
Other liabilities.....	297.83	70.00	51.57	50.00	3,342.50
Total liabilities.....	601.94	38,645.42	51.57	418.06	86,908.92
RESERVES					
For equity in H-E.P.C. systems.....	22,516.97	3,883.91	18,301.53	7,295.54	247,304.06
Other reserves.....		1,356.25	27.73		2,114.09
	22,516.97	5,240.16	18,329.26	7,295.54	249,418.15
SURPLUS					
Debentures paid.....	16,500.00	51,511.30	3,086.48	7,199.65	5,000.00
Local sinking fund.....					
Operating surplus.....	27,716.63	13,633.54	14,722.68	*720.78	214,446.94
Net frequency standardization expense charged this year.....	1,729.28		820.29		137.20
Total surplus.....	42,487.35	65,144.84	16,988.87	6,478.87	219,309.74
Total.....	65,606.26	109,030.42	35,369.70	14,192.47	555,636.81

\*Deficit.



## Utilities as at December 31, 1952

Tilbury	Tillsonburg	Toronto	Toronto Twp. (V.A.)	Tottenham	Trafalgar Twp. (V.A.)
\$	\$	\$	\$	\$	\$
11,987.47	30,585.55	7,646,398.29	128,384.37		19,938.73
	76,089.55	20,328,215.19	92,150.92		
40,766.76	101,727.57	9,399,182.49	785,871.43	14,856.51	138,889.02
		5,746,675.82			
31,488.11	80,418.38	7,188,391.96	364,662.00	6,081.38	71,999.98
17,128.15	46,944.19	3,905,862.91	180,731.56	4,657.89	34,196.05
18,477.33	34,609.34	1,065,370.28	63,899.23	1,797.73	192.54
1,734.19	16,914.46	3,239,355.58	85,662.83	805.51	22,927.80
121,582.01	387,289.04	58,519,452.52	1,701,362.34	28,199.02	288,144.12
37,634.68	41,877.99	21,216,097.09	219,156.06	3,626.40	22,450.80
83,947.33	345,411.05	37,303,355.43	1,482,206.28	24,572.62	265,693.32
8,480.64	200.00	427,041.61	24,176.84	2,391.51	50.00
10,000.00		†4,546,575.00	8,000.00		
1,100.27	1,126.11	2,466,562.91	47,793.94	230.56	9,885.41
	4,842.35	3,012,317.25	64,206.16		17,377.39
145.12	922.62	166,439.67	1,040.27	120.00	313.07
21.00			103,123.25		
103,694.36	352,502.13	47,922,291.87	1,730,546.74	27,314.69	293,319.19
118,762.93	200,752.02	*44,104,866.50	339,222.35	23,541.09	39,255.17
222,457.29	553,254.15	92,027,158.37	2,069,769.09	50,855.78	332,574.36
	120,554.02		593,495.30	7,750.60	72,796.63
1,768.39		2,699,434.39	451,305.45	195.17	109,962.56
	23,001.35				5,762.44
92.25	5,939.64	165,572.31	11,455.62	318.25	3,293.09
1,860.64	149,495.01	2,865,006.70	1,056,256.37	8,264.02	191,814.72
118,762.93	200,752.02	44,104,866.50	339,222.35	23,541.09	39,255.17
148.60	122.69	5,995,731.76	3,738.42		471.91
118,911.53	200,874.71	50,100,598.26	342,960.77	23,541.09	39,727.08
14,000.00	45,445.98	29,290,934.57	135,504.70	13,684.37	36,090.93
87,685.12	157,438.45	9,770,618.84	535,047.25	5,366.30	64,941.63
101,685.12	202,884.43	39,061,553.41	670,551.95	19,050.67	101,032.56
222,457.29	553,254.15	92,027,158.37	2,069,769.09	50,855.78	332,574.36

†Estimated market value, Dec. 31, 1952.

\*Includes 1952 H-E.P.C. equity.

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Trenton	Tweed	Uxbridge	Victoria Harbour
ASSETS	\$	\$	\$	\$
Lands and buildings .....	6,604.06			
Substation equipment .....	88,433.58		2,657.65	
Distribution system, overhead .....	225,788.42	33,054.72	31,320.28	15,348.88
Distribution system, underground .....				
Line transformers .....	72,863.02	17,092.00	17,527.31	4,229.13
Meters .....	70,382.86	11,220.34	13,165.21	6,218.38
Street light equipment, regular .....	36,056.63	4,446.04	11,094.16	540.10
Miscellaneous construction expense ..	5,907.38	18.00	434.53	161.63
Steam or hydraulic plant .....				
Old plant .....				
Other capital assets .....				
Total plant .....	506,035.95	65,831.10	76,199.14	26,498.12
Less reserve for depreciation .....	139,686.70	11,994.67	9,044.36	8,114.16
	336,349.25	53,836.43	67,154.78	18,383.96
Bank and cash balance .....	200.00	23,181.56	7,146.21	2,167.25
Securities and investments .....	105,500.00	23,000.00	10,000.00	1,500.00
Accounts receivable .....	3,631.71	1,239.42	1,466.64	365.01
Inventories .....	15,665.10	1,188.32	49.82	
Sinking fund on local debentures .....				
Other assets .....	181.00	1,350.00	292.79	425.00
Frequency standardization expenditure in suspense .....				
	491,527.06	103,795.73	86,110.24	22,841.22
Equity in H-E.P.C. systems .....	269,000.77	30,096.55	47,568.07	14,158.14
Total .....	760,527.83	133,892.28	133,678.31	36,999.36
LIABILITIES				
Debenture balance .....				
Accounts payable .....	286.86	2,890.54	1,023.08	218.65
Bank overdraft .....	32,721.35			
Other liabilities .....	6,815.74	389.00	1,202.00	
Total liabilities .....	39,823.95	3,279.54	2,225.08	218.65
RESERVES				
For equity in H-E.P.C. systems .....	269,000.77	30,096.55	47,568.07	14,158.14
Other reserves .....		92.91	184.37	
	269,000.77	30,189.46	47,752.44	14,158.14
SURPLUS				
Debentures paid .....	164,586.70	19,000.00	15,364.09	5,878.70
Local sinking fund .....				
Operating surplus .....	287,116.41	81,423.28	68,336.70	16,743.87
Net frequency standardization expense charged this year .....				
Total surplus .....	451,703.11	100,423.28	83,700.79	22,622.57
Total .....	760,527.83	133,892.28	133,678.31	36,999.36

## Utilities as at December 31, 1952

Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
\$	\$	\$	\$	\$	\$
47.92	56,896.05			200.00	1,353.44
	106,053.60				
66,943.97	164,734.65	9,028.70	8,529.09	34,509.45	21,587.52
41,614.56	119,152.58	4,106.89	3,956.70	15,146.59	18,240.80
26,242.64	62,036.10	2,746.89	3,497.62	10,993.39	13,227.75
10,873.63	16,073.02	662.94	767.81	1,901.14	3,764.05
3,540.48	13,699.96	81.97	609.19	1,693.30	1,396.87
			3,618.02		
149,263.20	538,645.96	16,627.39	20,978.43	64,443.87	59,570.43
15,469.42	121,703.49	3,702.77	6,465.88	15,553.56	18,020.88
133,793.78	416,942.47	12,924.62	14,512.55	48,890.31	41,549.55
3,190.06	75.00	1,066.88	1,490.98		4,416.92
40,000.00	42,000.00	1,500.00	4,200.00	2,000.00	11,000.00
481.40	36,822.20	941.29	103.30	496.48	271.71
14,842.55	45,282.09				
				43.62	15.00
192,307.79	541,121.76	16,432.79	20,306.83	51,430.41	57,253.18
65,754.43	482,184.82	8,798.64	9,773.04	46,566.35	68,594.68
258,062.22	1,023,306.58	25,231.43	30,079.87	97,996.76	125,847.86
			1,465.14		
50.00	388.52	374.76	59.55	4,807.61	193.12
	34,637.81			1,066.15	
1,196.00	4,490.51	5.00	21.20	179.28	327.00
1,246.00	39,516.84	379.76	1,545.89	6,053.04	520.12
65,754.43	482,184.82	8,798.64	9,773.04	46,566.35	68,594.68
26.85	5,311.97	25.22			
65,781.28	487,496.79	8,823.86	9,773.04	46,566.35	68,594.68
56,748.57	71,536.58	7,562.40	9,534.86	8,000.00	7,745.53
134,286.37	445,725.27	8,465.41	9,226.08	37,377.37	48,987.53
	20,968.90				
191,034.94	496,292.95	16,027.81	18,760.94	45,377.37	56,733.06
258,062.22	1,023,306.58	25,231.43	30,079.87	97,996.76	125,847.86



## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Waterloo	Watford	Waubaushene (V.A.)	Welland
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings .....	23,882.15	18,681.26		106,167.19
Substation equipment .....	199,562.93			182,148.03
Distribution system, overhead .....	198,947.70	20,530.84	13,720.00	263,319.38
Distribution system, underground .....				9,495.59
Line transformers .....	150,053.26	10,555.65	5,178.15	174,121.55
Meters .....	82,176.98	9,579.55	5,468.29	128,111.98
Street light equipment, regular .....	29,532.01	2,824.74	613.97	50,597.54
Miscellaneous construction expense ..	21,579.62	691.07	11.00	18,246.37
Steam or hydraulic plant .....				
Old plant .....				
Other capital assets .....				
Total plant .....	705,734.65	62,863.11	24,991.41	932,207.63
Less reserve for depreciation .....	221,920.90	15,852.21	4,324.39	302,113.58
	483,813.75	47,010.90	20,667.02	630,094.05
Bank and cash balance .....	200.00	5,943.66		150.00
Securities and investments .....		8,000.00		73,000.00
Accounts receivable .....	46,568.16	1,674.51	1,156.27	3,899.93
Inventories .....	65,718.19	913.06		25,428.52
Sinking fund on local debentures .....				
Other assets .....	1,171.21	192.15	15.87	72.98
Frequency standardization expendi- ture in suspense .....	481.83			909.00
	597,953.14	63,734.28	21,839.16	733,554.48
Equity in H-E.P.C. systems .....	618,369.58	56,594.51	11,573.91	772,743.07
Total .....	1,216,322.72	120,328.79	33,413.07	1,506,297.55
<b>LIABILITIES</b>				
Debenture balance .....	95,000.00			
Accounts payable .....	141,169.78	1,313.74	2,058.54	48,039.20
Bank overdraft .....	109.34		88.39	2,144.72
Other liabilities .....	7,360.00	397.10	210.00	18,748.27
Total liabilities .....	243,639.12	1,710.84	2,356.93	68,932.19
<b>RESERVES</b>				
For equity in H-E.P.C. systems .....	618,369.58	56,594.51	11,573.91	772,743.07
Other reserves .....	3,537.69	57.42	125.00	1,629.18
	621,907.27	56,651.93	11,698.91	774,372.25
<b>SURPLUS</b>				
Debentures paid .....	111,000.00	9,055.77	3,242.34	275,000.00
Local sinking fund .....				
Operating surplus .....	239,776.33	52,910.25	16,114.89	387,993.11
Net frequency standardization ex- pense charged this year .....				
Total surplus .....	350,776.33	61,966.02	19,357.23	662,993.11
Total .....	1,216,322.72	120,328.79	33,413.07	1,506,297.55

## Utilities as at December 31, 1952

Wellesley	Wellington	West Lorne	Weston	Westport	Wheatley	Whitby
\$	\$	\$	\$	\$	\$	\$
	225.00	22,593.56	38,721.25		52.50	91,586.94
			126,048.15			34,288.16
12,014.36	17,999.68	21,184.96	189,702.06	10,680.97	31,649.48	113,296.99
6,245.82	12,410.49	16,083.79	123,343.02	5,994.66	18,058.28	41,989.73
5,338.31	10,568.25	8,769.02	60,228.32	4,180.02	10,471.68	39,856.90
1,183.50	4,528.89	4,349.44	18,209.82	1,255.67	9,864.52	16,765.61
1,119.28	1,532.59	538.61	8,253.77	126.34	863.85	14,912.91
25,901.27	47,264.90	73,519.38	564,506.39	22,237.66	70,960.31	352,697.24
6,528.81	19,461.67	16,680.89	101,484.30	3,800.67	12,043.56	77,466.83
19,372.46	27,803.23	56,838.49	463,022.09	18,436.99	58,916.75	275,230.41
2,109.53	4,100.03	1,717.47	8,838.80	2,897.46	4,386.18	4,335.50
6,000.00	14,500.00			3,500.00		10,000.00
	707.41	739.05	58,204.79	4.64	134.52	7,237.98
	3,009.89	405.41	18,495.61			14,046.60
		188.88			59.50	177.36
		18.58	401.38			
27,481.99	50,120.56	59,907.88	548,962.67	24,839.09	63,496.95	311,027.85
31,985.76	26,073.13	55,671.73	534,971.30	14,233.21	34,576.09	132,202.85
59,467.75	76,193.69	115,579.61	1,083,933.97	39,072.30	98,073.04	443,230.70
			142,800.00		8,083.08	
	513.79	20.41	149.46	157.55	99.66	2,726.79
15.00	46.25	82.00	3,810.25	337.42	140.00	3,499.89
15.00	560.04	102.41	146,759.71	494.97	8,322.74	6,226.68
31,985.76	26,073.13	55,671.73	534,971.30	14,233.21	34,576.09	132,202.85
		65.12	5,523.55		44.30	
31,985.76	26,073.13	55,736.85	540,494.85	14,233.21	34,620.39	132,202.85
7,500.00	13,816.12	8,000.00	73,732.44	15,000.00	13,916.92	76,612.50
19,966.99	35,744.40	51,740.35	322,946.97	9,344.12	41,212.99	228,188.67
27,466.99	49,560.52	59,740.35	396,679.41	24,344.12	55,129.91	304,801.17
59,467.75	76,193.69	115,579.61	1,083,933.97	39,072.30	98,073.04	443,230.70

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Warton	Williamsburg	Winchester	Windermere
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings .....	760.12		299.85	
Substation equipment.....	333.57			
Distribution system, overhead.....	38,457.64	8,949.81	22,836.82	11,837.23
Distribution system, underground.....				
Line transformers.....	18,531.83	4,864.35	14,405.77	8,459.14
Meters.....	14,837.03	2,943.06	10,173.01	2,285.99
Street light equipment, regular.....	6,298.76	1,699.78	3,158.33	333.57
Miscellaneous construction expense..	3,525.13	35.38	122.00	117.45
Steam or hydraulic plant.....				
Old plant.....				
Other capital assets.....				
Total plant.....	82,744.08	18,492.38	50,995.78	23,033.38
Less reserve for depreciation.....	8,463.08	1,930.85	12,442.63	6,249.26
	74,281.00	16,561.53	38,553.15	16,784.12
Bank and cash balance.....	5,129.45	1,452.32	3,650.67	2,057.96
Securities and investments.....	17,000.00	15,000.00	7,000.00	1,600.00
Accounts receivable.....	1,812.71	883.94	269.39	164.31
Inventories.....	3,241.08			
Sinking fund on local debentures.....				
Other assets.....				144.80
Frequency standardization expenditure in suspense.....				
	101,464.24	33,897.79	49,473.21	20,751.19
Equity in H-E.P.C. systems.....	41,249.20	13,482.76	45,895.43	6,681.60
Total.....	142,713.44	47,380.55	95,368.64	27,432.79
<b>LIABILITIES</b>				
Debenture balance.....				
Accounts payable.....	3,926.68		163.53	91.26
Bank overdraft.....				
Other liabilities.....	172.21	303.43	10.00	
Total liabilities.....	4,098.89	303.43	173.53	91.26
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	41,249.20	13,482.76	45,895.43	6,681.60
Other reserves.....	84.95	310.82		
	41,334.15	13,793.58	45,895.43	6,681.60
<b>SURPLUS</b>				
Debentures paid.....	37,400.00	2,750.00	9,206.06	11,237.65
Local sinking fund.....				
Operating surplus.....	59,880.40	30,533.54	40,093.62	9,422.28
Net frequency standardization expense charged this year.....				
Total surplus.....	97,280.40	33,283.54	49,299.68	20,659.93
Total.....	142,713.44	47,380.55	95,368.64	27,432.79



## Utilities as at December 31, 1952

Windsor	Wingham	Woodbridge	Woodstock	Woodville	Wyoming
\$	\$	\$	\$	\$	\$
624,828.66	25,887.84		149,680.74		100.00
2,070,155.69	7,318.18		207,672.86		
1,765,191.70	65,026.23	33,596.45	285,723.73	4,850.20	16,517.84
673,038.08					
835,931.67	29,923.78	19,641.97	142,482.79	2,766.26	6,662.94
836,049.71	27,692.80	12,961.44	147,293.66	3,206.45	6,943.39
105,106.59	12,643.30	3,524.51	37,666.84	776.55	1,652.98
139,877.93	13,170.34	28.40	24,794.96		50.80
	14,711.99		8,252.40		
7,050,180.03	196,374.46	69,752.77	1,003,567.98	11,599.46	31,927.95
2,419,567.43	51,690.53	17,682.31	264,384.24	3,161.75	7,703.11
4,630,612.60	144,683.93	52,070.46	739,183.74	8,437.71	24,224.84
1,500.00	9,151.28	6,286.35	400.00	1,964.54	2,816.43
1,085,646.76	25,000.00	7,000.00	100,000.00	5,000.00	2,100.00
388,148.10	939.34	1,331.31	14,500.81	293.15	334.96
637,982.74	10,222.77		933.84		
123,859.10					
515.30	193.21		306.29	75.00	
6,868,264.60	190,190.53	66,688.12	855,324.68	15,770.40	29,476.23
*7,180,890.61	94,024.42	80,855.40	916,481.15	19,786.51	18,666.99
14,049,155.21	284,214.95	147,543.52	1,771,805.83	35,556.91	48,143.22
190,000.00			131,667.53		
214,348.13	26.57	6,703.29	5,163.67	362.97	1,339.04
330,131.00			102,538.91		
140,769.98	2,134.15	1,315.79	11,231.61	10.00	83.89
875,249.11	2,160.72	8,019.08	250,601.72	372.97	1,422.93
7,180,890.61	94,024.42	80,855.40	916,481.15	19,786.51	18,666.99
268,296.16		150.00	952.03	481.67	137.95
7,449,186.77	94,024.42	81,005.40	917,433.18	20,268.18	18,804.94
2,393,832.05	81,155.39	8,499.97	155,718.10	5,248.09	9,700.00
123,859.10					
3,496,997.29	106,874.42	53,522.79	450,905.68	9,667.67	18,215.35
289,969.11		3,503.72	2,852.85		
5,724,719.33	188,029.81	58,519.04	603,770.93	14,915.76	27,915.35
14,049,155.21	284,214.95	147,543.52	1,771,805.83	35,556.91	48,143.22

\*Includes 1952 H-E.P.C. equity.

## Balance Sheets of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Concluded

## NORTHERN

Municipality.....	York Twp. (V.A.)	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM	Cache Bay
ASSETS	\$	\$	\$	\$
Lands and buildings .....	271,306.77		20,233,730.93	
Substation equipment.....	550,264.76		43,052,635.46	
Distribution system, overhead.....	1,252,825.18	11,192.76	46,163,185.64	32,117.49
Distribution system, underground.....			11,985,221.93	
Line transformers.....	831,978.16	7,549.19	28,652,612.00	6,735.67
Meters.....	509,798.29	5,636.44	18,947,847.03	2,793.52
Street light equipment, regular.....	157,719.96	941.37	6,241,006.56	1,700.51
Miscellaneous construction expense..	31,212.65	152.50	6,322,638.35	1,212.15
Steam or hydraulic plant.....			3,082,182.94	
Old plant.....			67,056.46	1,470.00
Other capital assets.....			278,114.00	
Total plant.....	3,605,105.77	25,472.26	185,026,231.30	46,029.34
Less reserve for depreciation.....	1,120,351.80	3,614.08	48,720,965.81	1,744.00
	2,484,753.97	21,858.18	136,305,265.49	44,285.34
Bank and cash balance.....	105,698.57	1,470.30	4,362,189.91	4,483.78
Securities and investments.....	100,000.00	5,500.00	10,578,688.08	
Accounts receivable.....	158,334.05	185.52	7,106,820.66	96.97
Inventories.....	72,076.28		7,709,774.64	
Sinking fund on local debentures.....			168,849.61	
Other assets.....			746,477.56	
Frequency standardization expenditure in suspense.....	141,064.10		1,093,950.06	
	3,061,926.97	29,014.00	168,072,016.01	48,866.09
Equity in H-E.P.C. systems.....	1,834,786.63	28,478.07	120,684,626.94	
Total.....	4,896,713.60	57,492.07	288,756,642.95	48,866.09
LIABILITIES				
Debenture balance.....			22,884,399.21	24,000.00
Accounts payable.....	126,376.39	3,002.25	8,233,979.00	18,959.73
Bank overdraft.....			1,390,186.67	
Other liabilities.....	188,376.03	67.30	1,587,933.28	80.00
Total liabilities.....	314,752.42	3,069.55	34,096,498.16	43,039.73
RESERVES				
For equity in H-E.P.C. systems.....	1,834,786.63	28,478.07	120,684,626.94	
Other reserves.....	128,061.94		7,678,372.16	22.15
	1,962,848.57	28,478.07	128,362,999.10	22.15
SURPLUS				
Debentures paid.....	489,374.65	5,591.61	58,690,967.07	4,000.00
Local sinking fund.....			168,849.61	
Operating surplus.....	2,129,737.96	22,508.09	68,079,287.32	1,804.21
Net frequency standardization expense charged this year.....		2,155.25	641,958.31	
Total surplus.....	2,619,112.61	25,944.45	126,297,145.69	5,804.21
Total.....	4,896,713.60	57,492.07	288,756,642.95	48,866.09

## Utilities as at December 31, 1952

## ONTARIO PROPERTIES

Capreol	Fort William	Hearst	Larder Lake Twp. (V.A.)	Latchford	McGarry Imp. Dist.	Nipigon Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
450.00	183,095.67	4,165.00	500.00			215.03
40,928.44	473,828.25	26,287.74				
20,489.43	690,626.91	44,210.93	20,215.44	12,731.61	23,213.08	35,819.73
13,803.27	221,906.97	13,065.39	12,265.89	3,497.89	10,716.10	15,686.29
11,913.33	184,057.07	13,434.50	11,163.34	3,558.00	8,235.44	10,880.69
5,426.90	139,923.30	252.09	2,478.52	1,361.74	2,552.03	6,158.52
4,081.22	62,398.43	4,720.08	2,709.00	1,251.26	532.13	2,057.50
		72,510.00				
		19,178.00				
97,092.59	1,955,836.60	197,823.73	49,332.19	22,400.50	45,248.78	70,817.76
10,534.57	405,069.29	12,086.32	14,270.00	1,165.00	8,421.00	9,727.47
86,558.02	1,550,767.31	185,737.41	35,062.19	21,235.50	36,827.78	61,090.29
12,226.22	79,270.40	9,459.74	5,444.74	2,082.84		3,372.14
	355,300.00					11,000.00
2,444.00	72,242.23	2,674.83	2,684.85	57.45	1,319.75	744.98
96.00	70,908.34					26.24
	202,589.09					
	5,120.80					
101,324.24	2,336,198.17	197,871.98	43,191.78	23,375.79	38,147.53	76,233.65
	2,578,439.93					41,974.83
101,324.24	4,914,638.10	197,871.98	43,191.78	23,375.79	38,147.53	118,208.48
48,500.00	658,000.00	140,000.00	15,200.00	17,900.00	12,500.00	
4,474.78	84,515.81	45,825.83	158.64			390.82
					206.27	
635.00	54,153.27	1,685.55	5,127.72	190.00	3,671.14	786.44
53,609.78	796,669.08	187,511.38	20,486.36	18,090.00	16,377.41	1,177.26
	2,578,439.93					41,974.83
82.34	9,136.32	4,794.80	10.87			
82.34	2,587,576.25	4,794.80	10.87			41,974.83
20,500.00	156,209.11		2,800.00	2,100.00	1,500.00	10,000.00
	202,589.09					
27,132.12	1,171,594.57	5,565.80	19,894.55	3,185.79	20,270.12	65,056.39
47,632.12	1,530,392.77	5,565.80	22,694.55	5,285.79	21,770.12	75,056.39
101,324.24	4,914,638.10	197,871.98	43,191.78	23,375.79	38,147.53	118,208.48



## Balance Sheets of Municipal Electrical

## NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock Imp. Dist.	Schreiber Twp. (V.A.)
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings.....	63,149.31	562,266.25		6,937.08
Substation equipment.....	190,335.93	516,338.92	900.00	
Distribution system, overhead.....	259,148.80	753,904.93	23,924.18	40,338.00
Distribution system, underground.....				
Line transformers.....	114,541.61	241,913.25	12,053.35	10,152.11
Meters.....	128,622.34	217,295.03	5,376.01	9,748.49
Street light equipment, regular.....	45,263.02	126,770.40	3,601.86	3,649.91
Miscellaneous construction expense..	11,540.46	44,313.03	2,736.51	1,812.33
Steam or hydraulic plant.....		350,456.55		
Old plant.....				14,562.18
Other capital assets.....				
Total plant.....	812,601.47	2,813,258.36	48,591.91	87,200.10
Less reserve for depreciation.....	279,657.88	1,065,758.01	4,108.44	4,340.90
	532,943.59	1,747,500.35	44,483.47	82,859.20
Bank and cash balance.....		121,462.03	13,379.20	17,062.78
Securities and investments.....		546,083.13		
Accounts receivable.....	15,998.83	73,734.37	486.89	6,131.05
Inventories.....	49,890.30	62,264.57		160.54
Sinking fund on local debentures.....				16,971.13
Other assets.....	6,729.87	37,390.47		
Frequency standardization expenditure in suspense.....				
	605,562.59	2,588,434.92	58,349.56	123,184.70
Equity in H-E.P.C. systems.....		5,300,456.40	12,169.17	12,374.25
Total.....	605,562.59	7,888,891.32	70,518.73	135,558.95
<b>LIABILITIES</b>				
Debenture balance.....			25,350.00	34,500.00
Accounts payable.....	153,633.63	88,562.07	6,155.28	1,762.16
Bank overdraft.....	15,414.09			
Other liabilities.....	52,985.04			
Total liabilities.....	222,032.76	88,562.07	31,505.28	36,262.16
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....		5,300,456.40	12,169.17	12,374.25
Other reserves.....	2,905.39	234,066.32		
	2,905.39	5,534,522.72	12,169.17	12,374.25
<b>SURPLUS</b>				
Debentures paid.....	228,157.68	626,317.40	5,850.00	15,500.00
Local sinking fund.....				16,971.13
Operating surplus.....	152,466.76	1,639,489.13	20,994.28	54,451.41
Net frequency standardization expense charged this year.....				
Total surplus.....	380,624.44	2,265,806.53	26,844.28	86,922.54
Total.....	605,562.59	7,888,891.32	70,518.73	135,558.95

## Utilities as at December 31, 1952

Sioux Lookout	Sturgeon Falls	Sudbury	Terrace Bay Imp. Dist.	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
7,653.66		269,664.40		1,098,096.40	21,331,827.33
	40,062.49	477,600.19		1,766,281.96	44,818,917.42
30,586.61	72,266.67	646,064.97	67,267.74	2,772,926.52	48,936,112.16
					11,985,221.93
16,881.02	27,468.31	290,347.79	19,934.12	1,030,969.03	29,683,581.03
15,319.79	26,946.33	241,612.99	12,121.96	903,078.83	19,850,925.86
9,873.39	5,221.65	161,999.56	14,925.46	531,158.86	6,772,165.42
1,181.33	5,786.48	59,773.25	2,860.79	208,965.95	6,531,604.30
				422,966.55	3,505,149.49
				35,210.18	102,266.64
					278,114.00
81,495.80	177,751.93	2,147,063.15	117,110.07	8,769,654.28	193,795,885.58
10,325.54	34,641.31	393,481.05	9,032.00	2,264,362.78	50,985,328.59
71,170.26	143,110.62	1,753,582.10	108,078.07	6,505,291.50	142,810,556.99
17,262.40			20,032.89	305,539.16	4,667,729.07
1,648.80		50,000.00		964,031.93	11,542,720.01
1,827.70	12,507.56	84,602.80	2,252.83	279,807.09	7,386,627.75
5,042.74		103,239.44		291,628.17	8,001,402.81
				219,560.22	388,409.83
				49,241.14	795,718.70
					1,093,950.06
96,951.90	155,618.18	1,991,424.34	130,363.79	8,615,099.21	176,687,115.22
			25,893.85	7,971,308.43	128,655,935.37
96,951.90	155,618.18	1,991,424.34	156,257.64	16,586,407.64	305,343,050.59
		228,689.66	70,200.00	1,274,839.66	24,159,238.87
1,185.54	77,528.17	201,093.60		684,246.06	8,918,225.06
	418.75	50,751.65		66,790.76	1,456,977.43
3,225.77	4,326.64	48,032.96		174,899.53	1,762,832.81
4,411.31	82,273.56	528,567.87	70,200.00	2,200,776.01	36,297,274.17
			25,893.85	7,971,308.43	128,655,935.37
	771.80	78,589.64		330,379.63	8,008,751.79
	771.80	78,589.64	25,893.85	8,301,688.06	136,664,687.16
		488,648.87	7,800.00	1,569,383.06	60,260,350.13
				219,560.22	388,409.83
92,540.59	72,572.82	895,617.96	52,363.79	4,295,000.29	72,374,287.61
					641,958.31
92,540.59	72,572.82	1,384,266.83	60,163.79	6,083,943.57	132,381,089.26
96,951.90	155,618.18	1,991,424.34	156,257.64	16,586,407.64	305,343,050.59

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alexandria	Alliston
Population.....	3,020	1,041	510	2,236	2,113
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	35,152.82	17,910.82	6,203.30	19,195.41	27,646.75
Commercial light service.....	14,471.97	5,777.30	2,778.60	15,957.06	14,650.29
Commercial power service.....	55,270.43	8,631.55	2,681.21	13,208.74	13,433.92
Municipal power.....	1,576.76			1,781.16	1,174.01
Street lighting.....	3,660.71	1,754.00	716.00	2,343.67	2,211.70
Merchandise.....	780.88				14.85
Miscellaneous.....	527.30	97.35	77.86	995.10	685.81
Total earnings.....	111,440.87	34,171.02	12,456.97	53,481.14	59,817.33
EXPENSES					
Power purchased.....	86,180.56	23,817.41	8,522.02	29,245.49	33,897.63
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	5,641.49	263.27	227.92	2,943.83	2,560.28
Line transformer maintenance.....	97.13	141.87	100.41	181.98	305.53
Meter maintenance.....	840.87	28.84	27.71	356.73	721.30
Consumers' premises expenses.....	104.24	161.64		8.50	2,871.43
Street lighting, operation and maintenance.....	455.98	457.07	62.52	490.41	375.39
Promotion of business.....					
Billing and collecting.....	1,959.07	1,123.08	599.01	1,739.89	1,908.05
General office, salaries and expenses.....	1,802.13	500.21	115.11	1,640.32	1,935.49
Undistributed expenses.....	817.90		18.75	364.23	117.09
Truck operation and maintenance.....	467.22			803.72	711.61
Interest.....	3.10		145.99	10.95	2.23
Sinking fund and principal payments on debentures.....					
Depreciation.....	3,010.00	1,418.00	643.00	3,097.00	2,490.00
Other reserves.....		30.00			68.88
Total operating costs and fixed charges.....	101,379.69	27,941.39	10,462.44	40,883.05	47,964.91
Net surplus.....	10,061.18	6,229.63	1,994.53	12,598.09	11,852.42
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	783	311	178	554	590
Commercial light service.....	114	44	42	152	140
Power service.....	27	8	4	16	30
Total.....	924	363	224	722	760

Statement B includes 327 municipalities of group 1, see page 30.



## Utilities for Year Ended December 31, 1952

Almonte 2,499	Alvinston 678	Amherstburg 3,686	Ancaster Twp. (VA)	Apple Hill 464	Arkona 342	Arnprior 4,528
\$	\$	\$	\$	\$	\$	\$
28,426.44	5,533.17	51,512.71	41,317.72	2,384.48	5,828.95	45,111.59
11,377.36	4,605.65	22,673.47	9,068.57	1,063.39	2,979.61	26,208.34
20,788.58	1,869.30	19,993.47	1,376.90	339.08	1,455.24	33,206.70
1,625.46	244.32		633.39			2,410.88
3,427.50	1,715.00	3,911.72	1,633.50	522.00	1,332.00	5,546.20
1,898.93						188.39
3,417.34	307.54	474.96	618.71	82.81	38.05	1,907.28
70,961.61	14,274.98	98,566.33	54,648.79	4,391.76	11,633.85	114,579.38
19,172.33	7,601.62	70,403.01	28,648.45	1,967.43	6,080.28	81,155.37
12,326.74						
195.50						
3,075.48	341.83	6,338.41	3,042.31	320.13	161.50	3,120.24
232.95	11.78	1,660.23	1,272.32		34.21	614.62
707.69	160.08	939.92	642.11	8.75	31.10	1,204.80
60.56		1,469.79			60.00	79.97
349.60	289.83	656.79	383.53	104.35	137.97	958.45
4,033.01	972.08	2,653.00	2,041.85	347.21	461.86	4,034.06
3,221.98	586.54	4,141.61	1,588.09	113.07	276.58	4,239.14
462.73	30.72		309.67		6.67	202.50
785.01		933.13	2,309.35			
542.07			2,988.40		7.71	
2,515.27						
6,443.00	1,268.00	2,855.00	2,453.00	325.00	761.00	3,721.00
54,123.92	11,262.48	92,050.89	45,679.08	3,185.94	8,018.88	99,330.15
16,837.69	3,012.50	6,515.44	8,969.71	1,205.82	3,614.97	15,249.23
762	251	974	621	84	140	1,156
125	61	187	45	21	40	174
26	7	21	6	1	3	34
913	319	1,182	672	106	183	1,364

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
Population.....	1,052	841	3,554	3,645	910
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	13,059.39	8,733.14	53,498.04	35,046.55	12,072.43
Commercial light service.....	9,899.35	4,337.45	20,967.99	24,029.77	5,380.99
Commercial power service.....	3,511.13	955.87	30,432.70	27,644.40	3,618.93
Municipal power.....	518.45		2,585.15	3,503.04	
Street lighting.....	1,860.42	882.00	4,405.46	4,377.82	1,490.00
Merchandise.....			10.50		
Miscellaneous.....	142.29	340.03	59.16	569.05	378.08
Total earnings.....	28,991.03	15,248.49	111,959.00	95,170.63	22,940.43
<b>EXPENSES</b>					
Power purchased.....	11,524.50	5,913.19	67,109.34	70,461.12	14,531.45
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,154.32	613.02	6,357.31	4,830.96	1,384.83
Line transformer maintenance.....	23.00		531.94	172.15	83.79
Meter maintenance.....	373.78	44.59	429.84	319.70	118.45
Consumers' premises expenses.....			7,512.19	226.02	1.35
Street lighting, operation and maintenance.....	453.41	348.95	1,886.99	804.11	351.10
Promotion of business.....					
Billing and collecting.....	1,235.10	495.64	6,732.74	3,701.99	1,181.46
General office, salaries and expenses	515.15	263.01	4,491.76	1,897.31	107.28
Undistributed expenses.....	156.03		1,663.62	998.61	350.61
Truck operation and maintenance	202.00			737.66	300.00
Interest.....	67.32		836.46		
Sinking fund and principal payments on debentures.....	194.17				
Depreciation.....	1,596.00	828.00	4,392.00	4,549.00	1,041.00
Other reserves.....			50.00	156.33	
Total operating costs and fixed charges.....	18,494.78	8,506.40	101,994.19	88,854.96	19,451.32
Net surplus.....	10,496.25	6,742.09	9,964.81	6,315.67	3,489.11
Net loss.....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	335	249	1,065	1,016	283
Commercial light service.....	91	53	161	225	51
Power service.....	12	2	30	31	7
Total.....	438	304	1,256	1,272	341

## Utilities for Year Ended December 31, 1952

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
744	1,379	13,721	1,349	414	660	1,794
\$	\$	\$	\$	\$	\$	\$
9,594.14	14,315.27	174,387.38	11,003.12	6,340.71	8,671.63	23,007.91
3,552.01	11,562.53	101,647.74	5,920.90	2,049.40	1,425.38	8,016.07
11,229.76	3,445.90	65,343.16	356.41	295.38	28,863.99	3,662.20
.....	.....	4,785.82	.....	.....	.....	.....
942.10	1,719.96	8,918.86	766.50	450.64	766.68	2,293.95
.....	.....	438.55	.....	.....	.....	.....
307.48	6.86	6,371.16	11.27	6.16	695.44	660.00
25,625.49	31,050.52	361,892.67	18,058.20	9,142.29	40,423.12	37,640.13
.....	.....	.....	.....	.....	.....	.....
19,837.49	6,829.05	226,496.93	5,695.27	3,166.98	37,165.62	27,946.18
.....	.....	5,178.27	.....	.....	.....	.....
.....	871.14	92.32	.....	.....	.....	.....
418.79	2,412.42	22,984.62	209.83	231.68	1,032.20	1,560.45
297.48	210.87	1,157.65	122.47	133.10	72.03	12.05
.....	219.94	4,121.71	128.78	64.07	21.90	193.51
72.80	.....	10,409.23	.....	.....	767.19	410.26
87.21	300.76	1,338.42	54.61	215.40	164.62	572.25
.....	.....	25.68	.....	.....	.....	.....
585.48	1,588.95	14,445.45	620.29	378.90	589.20	2,187.75
250.20	1,327.98	9,063.95	262.61	254.82	351.32	1,238.34
7.21	838.12	6,574.36	20.00	.....	5.25	21.00
19.26	.....	2,268.78	.....	.....	.....	.....
.....	1,334.42	359.01	207.63	63.74	45.24	9.24
.....	2,625.00	.....	858.97	563.86	.....	.....
798.00	3,838.00	21,234.44	572.00	603.00	1,368.00	1,801.86
.....	.....	.....	.....	.....	.....	.....
22,373.92	22,396.65	325,750.82	8,752.46	5,675.55	41,582.57	35,952.89
3,251.57	8,653.87	36,141.85	9,305.74	3,466.74	.....	1,687.24
.....	.....	.....	.....	.....	1,159.45	.....
.....	.....	.....	.....	.....	.....	.....
200	349	3,610	267	142	216	550
33	101	569	60	20	30	95
3	6	83	2	1	3	11
236	456	4,262	329	163	249	656



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville	Blenheim
Population.....	984	606	1,487	19,592	2,598
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	14,365.37	6,956.00	16,182.60	236,682.56	18,940.42
Commercial light service.....	6,866.63	4,759.29	9,612.00	134,286.55	21,644.46
Commercial power service.....	4,010.54	941.93	567.48	100,610.54	14,486.76
Municipal power.....	659.74		2,385.26	7,765.16	1,685.98
Street lighting.....	1,710.00	1,894.70	2,048.00	17,307.24	4,935.00
Merchandise.....	18.83			1,639.69	
Miscellaneous.....	218.76	112.86	67.81	10,964.46	2,059.66
Total earnings.....	27,849.87	14,664.78	30,863.15	509,256.20	63,752.28
EXPENSES					
Power purchased.....	17,238.90	7,755.04	16,929.36	375,146.38	33,557.98
Substation operation.....				9,730.26	
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,730.70	1,343.09	1,938.56	15,536.02	2,536.26
Line transformer maintenance.....	236.85		170.09	390.67	562.61
Meter maintenance.....	605.36	255.58	496.90	3,377.15	595.51
Consumers' premises expenses.....	65.67		160.09	3,645.31	38.92
Street lighting, operation and maintenance.....	331.92	239.39	331.74	4,022.56	1,499.03
Promotion of business.....				15.05	
Billing and collecting.....	1,775.16	487.56	2,202.95	14,994.00	2,698.42
General office, salaries and expenses.....	1,284.99	380.39	1,034.79	15,249.12	2,557.00
Undistributed expenses.....		32.61	91.79	3,975.58	
Truck operation and maintenance.....			499.95		
Interest.....	22.12	46.55	64.08		1,884.06
Sinking fund and principal payments on debentures.....					
Depreciation.....	1,976.00	857.00	1,722.00	20,636.00	4,101.00
Other reserves.....					
Total operating costs and fixed charges.....	25,267.67	11,397.21	25,642.30	466,718.10	50,030.74
Net surplus.....	2,582.20	3,267.57	5,220.85	42,538.10	13,721.54
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	366	187	486	5,422	758
Commercial light service.....	93	43	79	829	169
Power service.....	8	7	6	144	19
Total.....	467	237	571	6,395	946

## Utilities for Year Ended December 31, 1952

Bloomfield 659	Blyth 684	Bobcaygeon 1,151	Bolton 908	Bothwell 727	Bowman- ville 5,431	Bradford 1,646
\$	\$	\$	\$	\$	\$	\$
6,283.32	7,943.87	18,359.89	11,257.75	5,031.17	77,590.60	20,042.32
4,909.27	4,450.36	10,781.42	5,242.72	4,496.22	26,047.03	17,224.84
2,592.27	6,705.24	711.59	2,866.60	2,216.08	80,869.94	16,646.80
.....	.....	.....	685.01	150.84	1,076.60	890.98
1,241.00	1,382.64	3,003.01	1,222.47	1,819.98	5,611.16	2,086.50
.....	.....	.....	.....	.....	1,169.46	60.76
603.27	255.71	146.97	409.85	360.00	2,573.92	411.00
15,629.13	20,737.82	33,002.88	21,684.40	14,074.29	194,938.71	57,363.20
8,556.87	12,916.03	9,046.15	12,960.76	10,912.62	131,210.21	27,441.85
.....	.....	222.00	.....	.....	1,165.28	.....
.....	.....	.....	.....	.....	110.09	.....
310.56	1,070.07	2,125.69	694.38	495.34	6,150.00	3,639.03
.....	39.85	43.97	36.00	103.11	92.77	42.63
107.75	13.30	293.27	23.36	84.93	2,167.24	362.66
.....	32.10	.....	184.74	5.85	2,158.94	15.50
81.88	367.50	243.10	203.88	412.81	935.73	542.08
.....	.....	.....	.....	.....	25.62	.....
649.05	831.55	1,407.40	1,125.98	653.35	4,595.67	1,466.26
498.66	260.40	1,125.30	665.56	419.48	7,602.48	1,658.31
.....	82.78	167.90	.....	.....	2,487.75	194.31
.....	.....	760.60	.....	.....	1,895.50	306.63
24.10	.....	1,148.26	.....	66.37	.....	2.02
.....	.....	3,634.54	.....	.....	.....	.....
575.00	986.00	2,469.00	1,205.00	597.00	11,046.00	2,581.00
10,803.87	16,599.58	22,687.18	17,099.66	13,750.86	171,643.28	38,252.28
4,825.26	4,138.24	10,315.70	4,584.74	323.43	23,295.43	19,110.92
215	233	450	255	218	1,728	435
46	62	100	56	66	214	104
7	5	2	15	8	32	25
268	300	552	326	292	1,974	564

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Braeside	Brampton	Brantford	Brantford Twp. (V.A.)	Brechin
Population.....	470	8,945	37,295		270
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	3,615.93	122,299.03	358,915.73	205,431.58	2,209.41
Commercial light service.....	791.87	46,961.67	179,738.54	29,252.31	1,763.97
Commercial power service.....	5,973.25	42,931.73	600,492.75	20,002.61	786.84
Municipal power.....		5,718.74	14,029.98		
Street lighting.....	450.00	8,548.10	43,813.38	13,967.81	324.00
Merchandise.....					
Miscellaneous.....	38.15	3,177.77	14,984.05	313.55	251.68
Total earnings.....	10,869.20	229,637.04	1,211,974.43	268,967.86	5,335.90
EXPENSES					
Power purchased.....	6,807.14	170,396.05	860,651.98	132,683.17	2,167.53
Substation operation.....			22,077.16	840.58	
Substation maintenance.....		622.62	9,678.34		
Distribution system, operation and maintenance.....	512.00	3,690.46	11,571.31	9,360.20	277.32
Line transformer maintenance.....	49.46	296.00	6,518.96	1,623.60	
Meter maintenance.....	54.65	1,940.56	10,803.61	3,922.91	116.41
Consumers' premises expenses.....		433.50	31,395.45	386.63	80.00
Street lighting, operation and main- tenance.....	86.45	2,012.09	12,519.26	2,946.27	47.00
Promotion of business.....			146.35		
Billing and collecting.....	360.79	5,698.31	22,249.37	9,084.90	345.68
General office, salaries and expenses	262.85	2,792.93	20,928.95	6,785.63	159.63
Undistributed expenses.....			723.00	4,001.33	
Truck operation and maintenance.....				3,279.76	
Interest.....	177.45		8.65	6,643.91	
Sinking fund and principal pay- ments on debentures.....	265.14		312.50	8,436.81	
Depreciation.....	260.00	10,932.00	53,890.00	13,542.00	164.00
Other reserves.....		100.00			
Total operating costs and fixed charges.....	8,835.93	198,914.52	1,063,474.89	203,537.70	3,357.57
Net surplus.....	2,033.27	30,722.52	148,499.54	65,430.16	1,978.33
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	122	2,407	9,800	3,505	62
Commercial light service.....	11	339	1,585	140	22
Power service.....	3	79	269	18	1
Total.....	136	2,825	11,654	3,663	85



## Utilities for Year Ended December 31, 1952

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
1,263	435	750	12,221	1,109	842	915
\$	\$	\$	\$	\$	\$	\$
13,623.53	3,381.87	25,478.52	138,786.00	12,044.43	10,753.80	13,408.56
4,253.18	2,877.10	11,916.29	61,196.45	4,433.11	5,367.26	4,936.40
2,373.21	4,317.98	6,084.80	161,426.12	1,886.70	4,183.10	3,602.51
.....	213.12	.....	9,068.06	.....	589.80	.....
1,084.00	841.80	2,177.17	9,840.75	1,100.00	1,296.00	1,195.37
.....	.....	.....	.....	.....	.....	1.49
135.01	210.56	289.67	2,752.48	3,191.53	12.72	155.19
.....	.....	.....	.....	.....	.....	.....
21,468.93	11,842.43	45,946.45	383,069.86	22,655.77	22,202.68	23,299.52
.....	.....	.....	.....	.....	.....	.....
13,199.55	6,421.31	26,650.86	285,587.59	12,801.32	14,143.49	15,051.16
.....	.....	.....	24,010.35	.....	.....	.....
.....	.....	.....	460.26	.....	.....	.....
429.75	668.22	2,489.01	7,347.72	1,810.98	745.29	1,394.17
76.81	.....	89.40	308.26	255.98	148.49	22.00
153.33	116.28	1,264.31	2,669.71	127.93	16.05	221.68
.....	.....	82.19	53.84	8.92	.....	.....
306.40	193.27	469.79	2,189.28	260.60	176.36	236.80
.....	.....	.....	.....	.....	.....	.....
956.98	654.33	2,616.62	7,922.01	1,812.40	188.43	933.89
247.28	375.24	3,010.52	11,122.85	452.56	872.07	398.14
30.72	8.66	1,138.37	2,254.74	.....	32.79	28.96
.....	.....	565.90	2,038.74	.....	.....	.....
.....	.....	24.34	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
1,336.00	724.00	1,688.00	16,163.00	1,482.00	1,192.00	1,074.00
.....	.....	.....	.....	100.00	.....	.....
.....	.....	.....	.....	.....	.....	.....
16,736.82	9,161.31	40,089.31	362,128.35	19,112.69	17,514.97	19,360.80
4,732.11	2,681.12	5,857.14	20,941.51	3,543.08	4,687.71	3,938.72
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
312	141	636	3,621	372	285	307
29	46	145	498	53	72	58
6	6	10	81	8	9	7
347	193	791	4,200	433	366	372

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Burgess- ville 216	Burks Falls 866	Burlington 6,709	Caledonia 1,700	Campbell- ville 260
Population.....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	3,337.70	8,917.79	101,295.80	15,247.69	3,602.38
Commercial light service.....	1,258.44	8,871.82	41,186.68	11,200.19	742.04
Commercial power service.....	1,579.70	280.68	29,953.97	6,735.35	407.12
Municipal power.....		569.68	1,092.26	435.18	
Street lighting.....	384.00	2,107.56	5,878.21	3,793.04	372.00
Merchandise.....		37.52		53.81	
Miscellaneous.....	117.86	7.01	665.04	172.47	110.85
Total earnings.....	6,677.70	20,792.06	180,071.96	37,637.73	5,234.39
<b>EXPENSES</b>					
Power purchased.....	4,040.79	8,028.68	99,359.05	20,897.40	3,242.68
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,076.77	930.23	8,012.82	1,488.00	35.09
Line transformer maintenance.....	56.23	47.52	642.00	39.19	
Meter maintenance.....	76.52	143.72	3,425.63	776.08	125.95
Consumers' premises expenses.....	16.43		479.01		
Street lighting, operation and main- tenance.....	27.01	280.80	660.57	727.21	106.10
Promotion of business.....					
Billing and collecting.....	286.69	804.07	8,333.62	1,500.46	160.00
General office, salaries and expenses	185.25	498.71	6,035.39	1,696.55	105.28
Undistributed expenses.....		31.00	2,692.29	459.60	
Truck operation and maintenance			1,662.97	943.11	
Interest.....	1.56	1,331.55	7,224.50	136.33	
Sinking fund and principal pay- ments on debentures.....		1,943.07	10,354.55	500.00	
Depreciation.....	278.00	1,041.00	7,362.00	1,829.00	285.00
Other reserves.....					
Total operating costs and fixed charges.....	6,045.25	15,080.35	156,244.40	30,992.93	4,060.10
Net surplus.....	632.45	5,711.71	23,827.56	6,644.80	1,174.29
Net loss.....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	70	237	1,989	545	67
Commercial light service.....	21	63	241	118	12
Power service.....	3	3	32	13	1
Total.....	94	303	2,262	676	80

## Utilities for Year Ended December 31, 1952

Cannington 911	Cardinal 1,770	Carleton Place 4,590	Cayuga 716	Chatham 21,730	Chatsworth 403	Chesley 1,676
\$	\$	\$	\$	\$	\$	\$
11,309.41	19,426.82	48,256.57	6,788.96	211,404.01	4,589.61	21,320.49
5,650.02	6,094.29	22,568.21	7,361.91	222,802.43	4,210.45	9,408.14
4,129.13	931.18	36,588.27	4,444.09	256,893.43	1,122.29	11,590.59
.....	.....	1,890.52	.....	15,141.28	.....	794.47
1,590.96	1,408.00	5,378.15	2,179.26	37,262.41	972.00	2,638.28
.....	.....	.....	11.68	18,109.58	.....	178.94
483.54	269.01	1,919.92	653.52	4,043.87	41.84	171.31
23,163.06	28,129.30	116,601.64	21,439.42	765,657.01	10,936.19	46,102.22
.....	.....	.....	.....	.....	.....	.....
15,099.69	19,653.61	79,934.67	8,423.54	413,651.57	7,612.50	31,709.43
.....	.....	179.86	.....	15,629.08	.....	.....
.....	.....	.....	.....	22,784.45	.....	.....
1,366.98	996.79	4,412.08	893.85	46,809.97	654.72	1,747.43
111.37	64.39	316.76	171.45	7,248.12	.....	39.61
442.07	100.59	1,867.28	696.37	10,983.88	310.17	301.54
216.61	.....	807.29	.....	24,958.85	.....	254.37
.....	.....	.....	.....	.....	.....	.....
259.46	102.72	1,645.43	590.71	6,706.02	207.93	605.01
.....	.....	.....	.....	22,313.29	.....	.....
1,125.65	723.14	4,371.24	1,677.73	25,996.89	335.34	1,507.77
784.96	675.24	7,283.57	1,185.25	57,207.73	277.41	1,246.37
.....	.....	168.37	260.27	23,650.42	.....	418.29
.....	.....	.....	395.67	11,834.34	.....	526.40
2.58	.....	.....	.75	17,674.35	.....	1.00
.....	.....	.....	.....	29,672.15	.....	.....
813.00	942.00	4,216.00	1,427.00	41,094.00	546.00	2,615.00
.....	.....	.....	.....	1,300.00	.....	.....
.....	.....	.....	.....	.....	.....	.....
20,222.37	23,258.48	105,202.55	15,722.59	779,515.11	9,944.07	40,972.22
2,940.69	4,870.82	11,399.09	5,716.83	.....	992.12	5,130.00
.....	.....	.....	.....	13,858.10	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
312	481	1,312	234	5,769	127	550
78	65	224	85	1,029	44	99
11	3	23	9	173	1	27
401	549	1,559	328	6,971	172	676



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Chester- ville 1,179	Chippawa 1,720	Clifford 479	Clinton 2,575	Cobden 814
Population .....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	9,977.17	19,309.52	6,649.08	34,802.64	7,443.14
Commercial light service .....	6,839.03	4,883.66	4,530.48	16,872.46	5,257.31
Commercial power service .....	14,150.85	309.04	1,122.78	9,526.76	5,745.94
Municipal power .....		791.60	170.69	4,455.88	185.96
Street lighting .....	1,596.00	3,649.27	1,100.00	3,289.86	1,414.67
Merchandise .....				176.97	
Miscellaneous .....	509.87	140.78	37.27	777.48	158.67
Total earnings .....	33,072.92	29,083.87	13,610.30	69,902.05	20,205.69
<b>EXPENSES</b>					
Power purchased .....	23,633.09	17,195.05	8,506.63	45,802.55	9,063.52
Substation operation .....				185.63	
Substation maintenance .....					
Distribution system, operation and maintenance .....	2,635.99	1,031.13	705.45	2,555.54	58.21
Line transformer maintenance .....	234.97	476.14	161.81	81.31	126.28
Meter maintenance .....	325.08	748.64	7.21	180.05	399.51
Consumers' premises expenses .....		57.47	356.67	793.91	
Street lighting, operation and main- tenance .....	313.09	997.93	239.96	1,268.81	40.44
Promotion of business .....					
Billing and collecting .....	953.78	1,547.19	491.02	2,441.10	853.16
General office, salaries and expenses	785.43	1,249.93	219.51	3,764.77	23.00
Undistributed expenses .....	72.84	96.03	20.12	671.21	
Truck operation and maintenance .....	368.93	690.32		597.71	
Interest .....			81.68	1,231.15	
Sinking fund and principal pay- ments on debentures .....			468.76	1,500.00	
Depreciation .....	1,234.00	1,794.78	757.00	3,702.00	596.00
Other reserves .....					
Total operating costs and fixed charges .....	30,557.20	25,884.61	12,015.82	64,775.74	11,160.12
Net surplus .....	2,515.72	3,199.26	1,594.48	5,126.31	9,045.57
Net loss .....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	310	506	154	797	255
Commercial light service .....	74	56	43	167	72
Power service .....	6	3	4	25	8
Total .....	390	565	201	989	335

## Utilities for Year Ended December 31, 1952

Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown	Cottam
8,117	1,139	620	7,468	545	461	564
\$	\$	\$	\$	\$	\$	\$
102,224.95	15,959.22	7,249.38	75,287.34	4,220.07	5,531.81	5,479.03
45,560.49	8,593.54	3,873.03	37,792.78	3,995.41	3,131.66	2,635.13
65,695.26	2,159.06	2,362.72	64,119.46	5,393.39	1,645.86	1,379.83
1,925.91	230.95		2,778.06			
10,086.94	2,163.48	1,161.00	6,492.89	1,341.00	930.00	737.50
	249.17		247.73			
1,514.62	173.34	319.17	634.36	37.67	1.06	94.06
227,008.17	29,528.76	14,965.30	187,352.62	14,987.54	11,240.39	10,325.55
152,449.93	16,321.33	9,507.19	145,232.12	8,974.12	6,848.68	5,880.82
			456.54			
9,681.15	1,619.52	1,163.77	6,670.37	732.42	373.00	150.96
872.27	13.00	69.02	501.00	265.76	6.33	134.91
1,638.55	289.63	241.08	2,394.90	22.65	155.12	58.19
362.06	432.92	75.98	31.64			
1,421.90	305.20	170.72	1,048.50	304.92	63.50	69.73
10,515.76	1,553.18	766.32	4,456.30	754.79	344.42	841.80
6,035.36	1,348.55	385.14	2,252.05	732.24	113.54	306.75
3,780.95	742.48	13.43	2,406.10			5.23
2,052.14	401.77		2,192.04			
121.90	13.00	2.64		150.00		
7,148.50				268.83		
10,171.00	919.00	1,080.00	7,816.00	874.00	716.00	476.00
			150.00			
206,251.47	23,959.58	13,475.29	175,607.56	13,079.73	8,620.59	7,924.39
20,756.70	5,569.18	1,490.01	11,745.06	1,907.81	2,619.80	2,401.16
2,158	374	187	2,139	162	154	176
289	84	55	304	58	38	35
60	8	3	66	9	3	7
2,507	466	245	2,509	229	195	218

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Courtright	Creemore	Dashwood	Delaware	Delhi
Population.....	571	738	403	292	2,605
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	3,787.29	8,045.94	6,411.44	4,829.89	30,403.00
Commercial light service.....	2,252.49	4,009.53	2,563.67	2,138.20	27,399.07
Commercial power service.....		1,602.42	2,031.80		11,747.61
Municipal power.....	646.14				1,878.82
Street lighting.....	727.17	973.00	720.00	360.00	4,714.77
Merchandise.....					
Miscellaneous.....	42.15	145.21	14.08	2.79	1,125.71
Total earnings.....	7,455.24	14,776.10	11,740.99	7,330.88	77,268.98
<b>EXPENSES</b>					
Power purchased.....	3,512.61	9,494.34	7,547.66	5,660.65	36,947.95
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	289.42	610.23	173.18		4,282.17
Line transformer maintenance.....	44.99	32.50	34.30		370.44
Meter maintenance.....	11.84	162.07	23.33		985.72
Consumers' premises expenses.....			14.41	20.61	1,097.38
Street lighting, operation and maintenance.....	46.14	327.97	76.28	26.19	831.93
Promotion of business.....					199.93
Billing and collecting.....	240.11	646.68	548.11	388.79	2,434.03
General office, salaries and expenses.....	134.37	128.50	332.70	140.70	3,007.77
Undistributed expenses.....	5.00	4.12			1,032.11
Truck operation and maintenance.....					
Interest.....				20.65	1,533.67
Sinking fund and principal payments on debentures.....					4,624.17
Depreciation.....	378.00	738.00	435.00	284.00	3,374.00
Other reserves.....		50.00			
Total operating costs and fixed charges.....	4,662.48	12,194.41	9,184.97	6,541.59	60,721.27
Net surplus.....	2,792.76	2,581.69	2,556.02	789.29	16,547.71
Net loss.....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	151	236	130	99	848
Commercial light service.....	28	58	31	18	234
Power service.....	1	4	3		32
Total.....	180	298	164	117	1,114



## Utilities for Year Ended December 31, 1952

Deseronto 1,570	Dorchester 557	Drayton 538	Dresden 2,140	Drumbo 308	Dublin 240	Dundalk 784
\$	\$	\$	\$	\$	\$	\$
19,609.90	6,772.20	7,807.38	17,130.71	4,991.79	3,214.07	7,847.52
7,036.07	1,820.08	4,311.08	17,569.31	2,435.37	2,023.19	6,096.61
9,925.05	2,253.67	2,064.34	16,156.44	1,473.60	2,012.41	4,717.52
1,513.62			1,263.65			
2,528.88	1,206.66	1,000.00	3,562.47	650.00	627.00	1,271.00
853.50						
241.00	87.10	184.13	2,780.43	308.92	49.44	454.82
41,708.02	12,139.71	15,366.93	58,463.01	9,859.68	7,926.11	20,387.47
21,788.78	7,808.54	6,812.40	27,309.47	6,338.85	4,282.99	13,134.08
			238.65			
2,900.33	321.08	261.92	3,057.95	327.71	199.31	1,612.78
50.44	81.10	53.68	147.12			22.35
314.96	20.37	9.00	346.15	26.45	19.95	425.87
12.53	221.93		22.41	26.79		
446.77	529.21	368.00	741.94	62.40	136.60	244.32
	3.81		135.72			
1,407.05	876.03	1,081.08	2,272.97	682.06	426.38	1,098.10
1,568.05	227.23	206.50	5,890.26	82.55	291.85	248.75
315.45		41.94	497.16		5.00	61.56
580.97			1,092.06			352.20
	2.00	5.31	629.77	1.50		13.77
			766.64			
1,734.00	906.00	933.00	2,419.00	398.00	357.00	927.00
31,119.33	10,997.30	9,772.83	45,567.27	7,946.31	5,719.08	18,140.78
10,588.69	1,142.41	5,594.10	12,895.74	1,913.37	2,207.03	2,246.69
508	211	195	618	122	72	264
58	35	57	152	33	33	83
16	3	5	20	2	2	9
582	249	257	790	157	107	356

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Dundas	Dunnville	Durham	Dutton
Population.....	7,235	4,593	1,852	820
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	72,159.56	28,422.92	19,890.87	5,614.16
Commercial light service.....	34,348.56	27,843.04	15,137.68	4,030.69
Commercial power service.....	70,142.53	39,535.11	6,444.65	4,324.37
Municipal power.....	1,105.68	2,835.91	982.79	
Street lighting.....	9,222.12	5,659.93	2,083.20	1,268.20
Merchandise.....		20.61	59.11	
Miscellaneous.....	710.66	888.90	108.33	271.84
Total earnings.....	187,689.11	105,206.42	44,706.63	15,509.26
<b>EXPENSES</b>				
Power purchased.....	117,437.61	73,926.21	24,037.98	11,384.64
Substation operation.....	1,441.62	1,247.56		
Substation maintenance.....				
Distribution system, operation and maintenance.....	9,713.22	6,809.38	5,142.32	720.04
Line transformer maintenance.....	1,336.94	613.16	196.02	56.70
Meter maintenance.....	2,924.16	1,783.06	730.47	309.13
Consumers' premises expenses.....		146.33	378.84	28.65
Street lighting, operation and maintenance.....	2,496.08	2,140.97	327.79	242.38
Promotion of business.....		228.92		
Billing and collecting.....	3,686.73	2,747.86	1,355.41	939.96
General office, salaries and expenses.....	4,419.90	3,021.03	1,482.15	247.57
Undistributed expenses.....	1,410.82	2,492.00	176.16	35.89
Truck operation and maintenance.....	2,326.29	1,853.68	956.14	
Interest.....		220.09		4.04
Sinking fund and principal payments on debentures.....				
Depreciation.....	5,422.00	6,095.03	1,980.00	622.00
Other reserves.....				
Total operating costs and fixed charges.....	152,615.37	103,325.28	36,763.28	14,591.00
Net surplus.....	35,073.74	1,881.14	7,943.35	918.26
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	1,988	1,314	583	253
Commercial light service.....	243	274	127	68
Power service.....	52	34	17	11
Total.....	2,283	1,622	727	332

## Utilities for Year Ended December 31, 1952

East York Twp. 63,951	Eganville 1,311	Elmira 2,571	Elmvale 861	Elmwood (V.A.)	Elora 1,360	Embro 459
\$	\$	\$	\$	\$	\$	\$
803,765.98	14,863.79	34,505.89	9,100.42	2,735.83	17,233.30	8,288.81
114,456.54	10,825.39	22,870.55	5,373.83	1,859.64	7,283.05	2,209.64
158,376.91	3,279.47	49,748.13	4,886.11	4,261.52	10,368.92	3,233.14
6,698.95		4,407.56	306.31		334.42	
44,952.05	1,924.59	2,892.65	1,235.97	792.00	1,953.00	660.00
					172.94	
1,556.92	245.05	3,004.93	149.28	150.01	415.66	108.86
1,129,807.35	31,138.29	117,429.71	21,051.92	9,799.00	37,761.29	14,500.45
676,212.28	1,756.70	77,015.06	15,765.28	5,863.28	26,003.45	8,716.70
	6,378.83	791.30				
8,795.05	149.93					
20,817.72	573.82	6,332.22	1,008.37	279.78	2,919.01	373.10
9,542.35	139.53	302.30	179.63		459.44	2.00
9,850.82	84.67	322.97	332.89	77.33	247.70	173.36
26,956.38		13.32	10.16			478.69
14,406.23	296.31	249.49	274.90	67.76	547.78	293.21
190.00						
44,533.22	932.93	1,677.22	890.63	317.79	1,450.65	868.25
47,752.78	3,521.35	2,488.12	374.20	365.00	698.27	193.38
	346.00	907.26			524.88	
	485.18	1,036.95			484.04	
26,885.78	2,658.62		2.90	2.90	6.57	1.28
29,000.00	4,376.69					
50,962.00	2,879.00	6,114.00	1,183.00	513.00	1,244.00	909.00
2,700.00						
968,604.61	24,579.56	97,250.21	20,021.96	7,486.84	34,585.79	12,008.97
161,202.74	6,558.73	20,179.50	1,029.96	2,312.16	3,175.50	2,491.48
17,317	349	739	247	100	422	158
862	85	146	73	21	73	43
120	9	27	10	3	8	4
18,299	443	912	330	124	503	205



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
Population.....	402	59	669	2,931	62,685
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	8,939.84	3,010.72	10,719.42	25,420.50	1,001,337.78
Commercial light service.....	4,004.54	222.22	6,349.63	21,234.45	199,868.56
Commercial power service.....	5,455.09		662.07	12,578.10	269,858.69
Municipal power.....				2,357.64	26,184.19
Street lighting.....	898.50	252.00	869.84	3,512.52	49,864.70
Merchandise.....					
Miscellaneous.....	46.69	1.14	16.86	1,248.85	6,218.20
Total earnings.....	19,344.66	3,486.08	18,617.82	66,352.06	1,553,332.12
EXPENSES					
Power purchased.....	10,063.98	1,237.72	7,436.00	39,004.49	948,816.73
Substation operation.....					
Substation maintenance.....					4,390.11
Distribution system, operation and maintenance.....	981.21	55.12	1,658.53	4,450.15	48,569.19
Line transformer maintenance.....	25.44		32.00	316.26	10,673.87
Meter maintenance.....	82.07	29.74	179.51	495.41	9,657.20
Consumers' premises expenses.....	43.04	11.96		402.67	53,460.76
Street lighting, operation and main- tenance.....	230.43	42.36	344.30	866.81	10,155.08
Promotion of business.....				128.12	
Billing and collecting.....	793.31	256.86	718.30	2,343.20	68,956.40
General office, salaries and expenses	870.95	290.94	438.43	3,667.57	35,584.33
Undistributed expenses.....			54.86	397.60	
Truck operation and maintenance				675.13	
Interest.....	81.50	12.43	447.64	229.72	85,012.55
Sinking fund and principal pay- ments on debentures.....			725.00	1,318.40	63,658.00
Depreciation.....	1,268.00	214.00	567.00	4,117.00	63,087.00
Other reserves.....					1,000.00
Total operating costs and fixed charges.....	14,439.93	2,151.13	12,601.57	58,412.53	1,403,021.22
Net surplus.....	4,904.73	1,334.95	6,016.25	7,939.53	150,310.90
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	269	123	248	816	19,340
Commercial light service.....	25	4	64	162	1,114
Power service.....	4		2	28	196
Total.....	298	127	314	1,006	20,650

## Utilities for Year Ended December 31, 1952

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
2,609	3,515	380	454	1,532	1,800	16,965
\$	\$	\$	\$	\$	\$	\$
39,652.04	46,746.05	4,716.28	4,774.75	20,888.50	27,917.79	313,293.59
17,608.04	17,025.85	2,660.44	3,822.18	4,579.58	15,726.24	71,961.32
11,337.04	32,525.97	2,361.26	999.77	1,542.39	8,144.83	7,844.33
909.74	1,111.95			1,389.37	1,460.63	399.28
4,341.46	5,660.48	685.00	969.00	2,202.75	3,221.34	13,852.90
280.42			1.86			
1,307.04	916.06	232.85	280.25		1,096.00	4,189.80
75,435.78	103,986.36	10,655.83	10,847.81	30,602.59	57,566.83	411,541.22
49,851.64	71,987.13	5,435.23	5,052.74	18,766.36	34,811.15	261,711.63
	276.82					3,180.35
3,214.55	5,901.11	461.38	708.90	1,243.95	3,758.71	14,340.25
549.80	579.99	13.46		171.87	9.31	1,023.77
105.75	990.03	373.10	188.16	249.67	253.82	4,077.44
1,258.55	30.95			1,209.82	1,278.77	21,047.27
776.53	979.88	225.73	232.39	553.80	589.69	1,754.38
	30.53					
3,676.02	2,727.41	537.48	654.56	1,413.50	1,317.70	13,426.39
4,467.78	2,065.07	386.00	264.87	985.77	1,786.74	20,490.27
202.71	311.90		4.47	5.01	1,027.62	
833.26	459.92				466.33	
15.06				209.89		4,270.28
				400.00		16,575.86
3,765.00	4,153.00	567.00	688.00	1,403.00	1,624.00	25,623.00
68,716.65	90,493.74	7,999.38	7,794.09	26,612.64	46,923.84	387,520.89
6,719.13	13,492.62	2,656.45	3,053.72	3,989.95	10,642.99	24,020.33
826	979	127	152	445	617	4,936
161	130	32	55	57	144	456
25	19	6	2	7	20	50
1,012	1,128	165	209	509	781	5,442

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Frankford	Galt	Georgetown	Glencoe
Population.....	1,435	20,801	3,550	1,006
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	17,010.50	233,310.20	56,869.16	7,483.76
Commercial light service.....	7,226.97	108,796.14	19,797.79	10,343.36
Commercial power service.....	1,328.46	270,929.76	46,212.56	2,328.95
Municipal power.....		8,232.44	3,437.17	822.64
Street lighting.....	1,321.59	31,340.50	4,176.84	2,580.65
Merchandise.....		3,249.56		
Miscellaneous.....	145.76	5,513.81	491.31	1,067.28
Total earnings.....	27,033.28	661,372.41	130,984.83	24,626.64
<b>EXPENSES</b>				
Power purchased.....	9,115.00	462,493.48	92,748.94	10,549.05
Substation operation.....		13,077.11		
Substation maintenance.....		4,750.05	488.50	
Distribution system, operation and maintenance.....	300.77	23,607.43	6,012.90	1,451.53
Line transformer maintenance.....		2,823.35	1,082.24	84.05
Meter maintenance.....	69.48	5,609.37	1,503.94	92.71
Consumers' premises expenses.....		886.68	1,732.74	49.30
Street lighting, operation and maintenance.....	273.85	9,089.80	1,108.39	247.15
Promotion of business.....				
Billing and collecting.....	1,422.65	7,874.24	3,716.15	1,522.79
General office, salaries and expenses.....	907.87	22,482.08	5,281.89	1,453.31
Undistributed expenses.....		10,985.13		108.14
Truck operation and maintenance.....				409.24
Interest.....	480.00	7,349.62		1.05
Sinking fund and principal payments on debentures.....	2,000.00	5,000.00		
Depreciation.....	882.00	29,426.00	5,422.00	2,029.00
Other reserves.....		693.35		
Total operating costs and fixed charges.....	15,451.62	606,147.69	119,097.69	17,997.32
Net surplus.....	11,581.66	55,224.72	11,887.14	6,629.32
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	369	6,005	1,212	313
Commercial light service.....	75	675	163	98
Power service.....	5	179	31	11
Total.....	449	6,859	1,406	422



## Utilities for Year Ended December 31, 1952

Goderich 5,252	Grand Valley 632	Granton 277	Gravenhurst 3,024	Grimsby 2,934	Guelph 28,617	Hagersville 1,718
\$	\$	\$	\$	\$	\$	\$
77,665.18	7,851.17	4,132.69	32,229.29	28,310.99	313,502.09	14,160.15
39,447.82	3,674.43	1,113.72	20,441.43	19,295.90	120,857.35	12,967.02
45,074.25	4,070.58	178.57	19,077.89	10,783.09	257,199.31	30,323.20
4,550.15			1,046.51	2,795.06	21,559.24	1,057.34
7,063.50	1,157.00	393.87	3,318.51	3,403.89	29,773.80	2,926.44
			44.58	133.70		
1,552.28	226.91	2.58	963.33	962.60	2,628.09	2,084.35
175,353.18	16,980.09	5,821.43	77,121.54	65,685.23	745,519.88	63,518.50
99,384.44	13,753.62	3,193.31	59,141.78	46,099.78	507,352.07	41,856.40
1,919.38					9,132.18	168.30
10,029.45	522.32	427.57	4,359.40	2,392.25	27,367.53	4,595.29
255.92		25.44	153.77		4,518.57	325.31
712.59	220.24	12.50	700.15	225.05	8,664.36	610.18
796.14		28.17			2,993.34	67.96
1,899.18	185.80	64.73	588.22	847.50	7,505.70	145.67
65.35						
5,341.51	963.57	559.89	2,643.43	3,665.12	14,154.65	1,611.03
4,129.33	267.97	162.83	2,686.10	2,786.41	11,484.37	1,434.78
2,190.93	11.62		606.30	60.07	6,231.47	888.15
1,236.57			729.69			360.96
5,204.19		13.20		31.42	8,989.93	
5,171.91		294.30			14,166.67	
11,206.00	685.00	335.00	4,080.00	3,078.42	39,557.00	1,422.00
149,542.89	16,610.14	5,116.94	75,688.84	59,186.02	662,117.84	53,486.03
25,810.29	369.95	704.49	1,432.70	6,499.21	83,402.04	10,032.47
1,655	240	90	971	945	7,224	501
290	63	28	176	174	849	142
49	11	1	23	18	184	23
1,994	314	119	1,170	1,137	8,257	666

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Hamilton	Hanover	Harriston	Harrow
Population.....	212,234	3,901	1,509	1,713
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	2,010,635.95	48,131.81	18,436.56	27,526.00
Commercial light service.....	1,041,670.84	19,569.26	10,767.69	15,795.93
Commercial power service.....	4,172,547.16	41,332.17	14,444.80	9,221.77
Municipal power.....	105,882.68		436.84	
Street lighting.....	199,284.02	3,124.14	1,911.50	1,926.78
Merchandise.....		133.46	1,776.55	
Miscellaneous.....	145,460.48	3,454.60	82.99	1,376.24
Total earnings.....	7,675,481.13	115,745.44	47,856.93	55,846.72
<b>EXPENSES</b>				
Power purchased.....	*5,849,722.94	76,347.96	30,764.00	33,769.60
Substation operation.....	196,479.44			
Substation maintenance.....	21,032.17			
Distribution system, operation and maintenance.....	160,421.14	5,862.58	1,873.04	3,995.82
Line transformer maintenance.....	26,656.71	524.52	76.25	278.70
Meter maintenance.....	89,176.50	726.21	239.56	140.70
Consumers' premises expenses.....	62,860.64	972.15	3,051.25	102.03
Street lighting, operation and maintenance.....	45,702.00	514.67	251.01	472.05
Promotion of business.....	26,536.60			
Billing and collecting.....	218,157.70	3,072.50	2,224.36	3,928.69
General office, salaries and expenses.....	181,571.40	3,487.31	877.39	1,397.08
Undistributed expenses.....	39,421.44	1,263.68	172.44	
Truck operation and maintenance.....		722.03	142.43	
Interest.....	6,801.43		28.70	23.94
Sinking fund and principal payments on debentures.....				
Depreciation.....	260,853.09	4,357.00	2,304.00	2,393.00
Other reserves.....				
Total operating costs and fixed charges.....	7,185,393.20	97,850.61	42,004.43	46,501.61
Net surplus.....	490,087.93	17,894.83	5,852.50	9,345.11
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	55,673	1,096	455	477
Commercial light service.....	6,946	179	116	120
Power service.....	1,361	32	16	8
Total.....	63,980	1,307	587	605

\*Includes 1952 cost adjustment.

## Utilities for Year Ended December 31, 1952

Hastings	Havelock	Hensall	Hespeler	Highgate	Holstein	Huntsville
782	1,257	727	3,780	382	180	3,262
\$	\$	\$	\$	\$	\$	\$
9,273.67	12,488.51	10,280.87	42,014.01	2,778.39	2,229.29	40,968.32
6,152.60	7,581.50	6,222.80	13,833.20	1,662.01	512.91	35,940.76
426.38	2,054.02	7,426.56	104,684.68	2,810.44	778.30	22,664.17
		513.65	3,582.70			1,909.62
1,721.36	2,092.80	1,128.00	7,082.00	760.00	360.00	4,267.00
			44.87			137.67
293.86	171.83	72.05	2,798.25	160.38	62.25	12.36
17,867.87	24,388.66	25,643.93	174,039.71	8,171.22	3,942.75	105,899.90
7,740.66	12,616.79	15,051.43	118,670.61	5,979.94	1,977.69	73,220.45
			948.08			
949.66	489.32	779.51	7,673.18	53.37	409.19	6,375.28
94.30		180.29	81.15	104.66		295.05
184.75	163.63	78.50	1,253.47			1,622.15
9.39	6.08	5.76				123.68
419.47	384.76	266.61	1,169.60	105.54	44.50	1,009.33
1,840.20	1,392.84	558.98	2,763.53	337.80	281.72	2,755.88
1,089.32	2,307.88	567.12	2,840.18	343.64	276.49	3,106.74
		50.86	1,349.35	3.90		1,891.13
			2,112.41			484.19
	1,050.00			4.62	2.00	93.16
	1,500.00					
801.00	2,129.00	1,763.00	5,510.00	410.00	255.00	3,038.00
13,128.75	22,040.30	19,302.06	144,371.56	7,343.47	3,246.59	94,015.04
4,739.12	2,348.36	6,341.87	29,668.15	827.75	696.16	11,884.86
329	340	240	1,033	119	74	897
68	68	65	116	30	16	193
3	2	20	32	7	1	26
400	410	325	1,181	156	91	1,116



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Ingersoll	Iroquois	Jarvis	Kemptville
Population.....	6,448	1,049	651	1,513
EARNINGS	\$	\$	\$	\$
Domestic service.....	68,827.88	14,479.20	4,508.06	21,476.53
Commercial light service.....	36,972.44	5,443.05	4,307.27	10,004.85
Commercial power service.....	74,646.52	1,343.52	4,626.77	16,780.76
Municipal power.....	7,479.99	1,100.57		1,216.63
Street lighting.....	6,769.08	1,670.00	858.00	2,007.00
Merchandise.....				457.02
Miscellaneous.....	2,993.25	304.75	304.23	444.72
Total earnings.....	197,689.16	24,341.09	14,604.33	52,387.51
EXPENSES				
Power purchased.....	143,776.98	17,773.63	8,517.62	31,428.60
Substation operation.....	2,888.45			
Substation maintenance.....				
Distribution system, operation and maintenance.....	5,079.85	770.38	172.21	3,723.77
Line transformer maintenance.....	813.58	309.51		206.85
Meter maintenance.....	1,466.09	565.59	268.79	1,461.80
Consumers' premises expenses.....	2,031.37	231.39		
Street lighting, operation and maintenance.....	961.35	451.37	171.48	190.06
Promotion of business.....	170.16			
Billing and collecting.....	3,530.11	1,687.88	966.98	2,093.40
General office, salaries and expenses.....	10,842.00	2,012.11	180.52	1,164.18
Undistributed expenses.....	3,059.89	103.86		152.13
Truck operation and maintenance.....	1,505.42	438.84		886.41
Interest.....	3,439.46			22.60
Sinking fund and principal payments on debentures.....	2,617.58			
Depreciation.....	8,748.00	793.00	681.00	1,973.00
Other reserves.....				
Total operating costs and fixed charges.....	190,930.29	25,137.56	10,958.60	43,302.80
Net surplus.....	6,758.87		3,645.73	9,084.71
Net loss.....		796.47		
NUMBER OF CUSTOMERS				
Domestic service.....	1,880	359	192	498
Commercial light service.....	254	66	50	92
Power service.....	46	7	6	13
Total.....	2,180	432	248	603

## Utilities for Year Ended December 31, 1952

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
2,633	43,845	2,668	218	50,363	1,792	1,210
\$	\$	\$	\$	\$	\$	\$
32,261.39	471,885.82	30,556.89	2,235.76	640,153.30	18,608.24	23,831.25
18,121.93	312,755.01	20,974.34	1,920.53	298,772.90	13,452.22	2,785.11
20,235.25	229,156.18	7,281.10		768,354.79	17,559.21	1,248.74
1,465.95	16,906.14	1,342.54		48,722.92		755.55
5,437.57	32,693.24	3,591.14	432.00	78,418.64	2,059.41	1,251.34
43.31						
858.89	16,498.84	1,356.06	92.32	4,171.02	896.23	113.48
78,424.29	1,079,895.23	65,102.07	4,680.61	1,838,593.57	52,575.31	29,985.47
48,778.90	692,674.82	39,349.20	1,881.20	1,179,868.22	29,091.95	16,762.68
1,820.38	20,641.84			23,123.40		
	3,431.71			19,994.49		
2,673.14	40,683.27	3,446.22	287.15	73,892.32	2,826.56	479.46
210.77	3,123.43	373.29	57.14	8,197.92	16.32	361.85
822.92	14,706.35	1,232.12	96.22	21,072.73	560.52	322.94
2,169.89				4,678.03		79.99
1,072.89	7,263.51	1,086.58	118.96	21,057.95	472.66	393.24
	378.98	13.70		1,148.28		
2,461.35	25,918.10	3,318.52	206.28	34,746.64	2,957.07	1,195.93
2,424.82	55,028.59	2,646.49	113.46	40,551.58	2,527.07	929.01
1,111.43	21,796.56			781.51	212.31	
474.88	12,860.65	275.70			949.77	
	885.19	406.52		18,776.09		1,057.78
		2,043.42		35,150.00		1,656.48
4,113.00	65,898.00	2,300.00	239.00	80,634.00	2,262.00	1,343.00
68,134.37	965,291.00	56,491.76	2,999.41	1,563,673.16	41,876.23	24,582.36
10,289.92	114,604.23	8,610.31	1,681.20	274,920.41	10,699.08	5,403.11
877	11,042	878	64	13,479	503	389
158	1,371	191	27	1,452	103	32
24	215	26		362	10	6
1,059	12,628	1,095	91	15,293	616	427

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Lanark	Lancaster	La Salle	Leaming- ton	Lindsay
Population	806	574	1,985	7,552	9,753
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service	6,879.92	4,440.20	34,135.22	64,201.18	120,225.51
Commercial light service	4,639.13	2,991.21	7,981.61	38,560.19	68,003.40
Commercial power service	1,077.22		1,037.73	49,630.86	71,908.97
Municipal power				3,599.26	4,023.92
Street lighting	806.00	547.50	1,270.00	9,558.08	9,184.97
Merchandise					957.78
Miscellaneous	368.59	168.98	701.35	479.93	2,494.73
Total earnings	13,770.86	8,147.89	45,125.91	166,029.50	276,799.28
<b>EXPENSES</b>					
Power purchased	5,015.26	3,391.42	24,978.01	120,434.84	185,282.66
Substation operation				902.42	6,893.72
Substation maintenance					13.35
Distribution system, operation and maintenance	346.77	303.74	1,575.18	3,414.59	5,915.62
Line transformer maintenance	54.25		138.07	1,262.08	1,212.95
Meter maintenance	140.74	67.79	240.59	1,843.22	3,456.05
Consumers' premises expenses			302.33		9,595.53
Street lighting, operation and maintenance	235.65	102.67	183.75	1,937.70	980.72
Promotion of business			17.52	13.43	
Billing and collecting	708.52	496.76	1,705.16	5,771.20	9,335.96
General office, salaries and expenses	315.14	201.92	1,345.90	6,965.61	16,855.87
Undistributed expenses			59.44	1,728.45	7,413.30
Truck operation and maintenance				1,602.85	1,999.80
Interest			246.10		775.13
Sinking fund and principal payments on debentures					
Depreciation	693.00	326.00	2,326.00	8,482.00	11,125.00
Other reserves				450.00	
Total operating costs and fixed charges	7,509.33	4,890.30	33,118.05	154,808.39	260,855.66
Net surplus	6,261.53	3,257.59	12,007.86	11,221.11	15,943.62
Net loss					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service	236	146	530	2,168	2,781
Commercial light service	48	32	46	394	441
Power service	1		4	55	82
Total	285	178	580	2,617	3,304



## Utilities for Year Ended December 31, 1952

Listowel 3,457	London 97,109	London Twp. (V.A.)	Long Branch 8,684	Lucan 854	Lucknow 870	Lynden 435
\$	\$	\$	\$	\$	\$	\$
43,612.82	1,007,359.18	40,109.76	92,338.52	12,426.70	10,926.69	6,026.56
29,438.26	477,143.75	5,338.92	26,995.41	6,216.11	5,985.16	1,140.19
27,703.73	766,924.82	1,293.57	35,468.82	2,181.10	7,161.87	2,229.73
1,663.83	47,754.60		2,318.66		549.80	
5,800.56	71,026.61	1,523.80	8,833.04	1,636.02	2,251.00	500.0
248.06	4,639.21					
588.14	35,995.14	126.78	429.69	260.47	663.60	232.28
109,055.40	2,410,843.31	48,392.83	166,384.14	22,720.40	27,538.12	10,128.76
73,112.13	1,563,088.52	36,456.29	117,358.86	14,466.59	19,903.93	7,145.22
974.67	76,061.62					
4,350.02	79,989.59	1,667.66	12,030.24	568.78	1,869.26	120.30
406.93	22,091.72	315.06	2,233.02	175.99		148.18
371.34	27,827.63	21.12	625.01	10.00	324.52	245.34
513.81	150,478.39	312.58	3,510.41	732.24		
1,117.01	17,879.86	638.25	4,021.93	144.37	351.87	134.32
79.91	1,992.16					
2,995.46	61,748.24	2,963.17	11,491.86	987.09	1,682.83	295.24
2,521.94	124,258.30	585.72	5,615.69	633.12	1,254.97	310.68
1,065.65				31.80	60.30	
1,261.81	5,250.61				11.12	
9.65	30,768.66	1,269.81	1,576.12	210.64	13.25	
	23,000.00					
3,847.00	120,122.00	2,473.00	6,303.00	1,353.00	1,357.00	571.00
	15,040.79		250.00			
92,627.33	2,319,598.09	46,702.66	165,016.14	19,313.62	26,829.05	8,970.28
16,428.07	91,245.22	1,690.17	1,368.00	3,406.78	709.07	1,158.48
1,055	25,670	813	2,342	255	344	134
196	2,473	27	242	62	106	16
34	422	4	28	5	10	3
1,285	28,565	844	2,612	322	460	153

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Madoc	Magnet- awan 215	Markdale	Markham	Marmora
Population.....	1,291		985	1,787	1,154
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	14,827.87	3,046.02	8,413.51	23,828.53	10,725.59
Commercial light service.....	11,682.63	2,376.79	6,956.24	7,762.03	8,047.61
Commercial power service.....	10,327.41	43.97	1,056.34	4,935.06	1,505.56
Municipal power.....	310.73		409.92	450.37	
Street lighting.....	2,626.90	660.00	1,360.00	1,783.00	2,245.00
Merchandise.....					
Miscellaneous.....	282.30	47.63	1.35	425.04	262.89
Total earnings.....	40,057.84	6,174.41	18,197.36	39,184.03	22,786.65
EXPENSES					
Power purchased.....	22,719.34	1,965.90	13,247.93	24,603.15	11,696.70
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	3,396.66	175.45	621.44	1,806.53	2,007.58
Line transformer maintenance.....	156.53			223.81	90.63
Meter maintenance.....	1,060.27	70.95	458.93	60.00	503.28
Consumers' premises expenses.....			20.38		6.00
Street lighting, operation and main- tenance.....	791.81	144.08	470.06	180.00	317.30
Promotion of business.....					
Billing and collecting.....	2,086.42	224.28	1,038.55	1,925.29	1,071.29
General office, salaries and expenses	1,091.37	97.71	312.07	1,016.27	838.32
Undistributed expenses.....	185.64				405.32
Truck operation and maintenance.....					
Interest.....		1,233.86	3.71		
Sinking fund and principal pay- ments on debentures.....					
Depreciation.....	1,758.00	431.00	1,054.00	1,871.00	979.00
Other reserves.....				50.00	
Total operating costs and fixed charges.....	33,246.04	4,343.23	17,227.07	31,736.05	17,915.42
Net surplus.....	6,811.80	1,831.18	970.29	7,447.98	4,871.23
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	401	62	271	521	323
Commercial light service.....	115	20	90	88	64
Power service.....	10	1	7	13	2
Total.....	526	83	368	622	389

## Utilities for Year Ended December 31, 1952

Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton	Midland
125	723	3,352	673	965	4,909	7,480
\$	\$	\$	\$	\$	\$	\$
2,310.62	6,825.43	35,487.45	4,502.45	10,352.04	56,139.44	76,350.00
1,827.69	4,861.62	21,365.85	4,480.08	4,611.57	13,787.24	34,063.48
.....	1,178.05	21,590.55	2,046.69	5,666.99	365,317.16	112,053.10
.....	.....	1,227.67	.....	449.27	2,029.88	3,721.30
253.00	1,104.00	4,206.04	967.00	1,479.96	7,728.75	6,867.08
.....	.....	259.94	.....	.....	292.97	94.19
80.70	261.40	1,290.07	1,841.88	40.92	2,622.94	5,241.80
4,472.01	14,230.50	85,427.57	13,838.10	22,600.75	447,918.38	238,390.95
2,862.02	8,469.55	53,556.93	6,811.72	7,277.96	395,698.12	184,459.70
.....	.....	.....	.....	.....	1,405.70	7,004.00
.....	.....	.....	.....	.....	.....	5.05
158.41	773.36	5,452.96	551.81	446.56	9,091.31	5,447.34
9.14	35.93	200.50	36.40	43.61	175.86	1,932.62
119.31	267.77	956.41	134.21	271.07	1,327.75	2,715.21
.....	.....	378.79	214.23	66.11	481.10	151.76
60.96	214.59	578.14	191.02	807.98	1,411.00	1,606.66
.....	.....	.....	.....	.....	245.00	.....
445.57	881.86	2,458.33	634.75	1,114.44	6,663.48	4,564.11
122.39	287.07	1,769.74	1,170.87	549.99	8,069.67	8,586.95
.....	27.58	736.53	.....	.....	2,951.45	4,643.42
.....	.....	808.19	.....	.....	3,413.06	1,262.36
.....	18.77	.....	2.57	843.50	132.18	1,323.19
.....	.....	.....	.....	900.00	.....	.....
265.00	807.00	3,293.00	1,177.00	721.00	8,536.25	11,957.00
.....	.....	100.00	.....	.....	.....	.....
4,042.80	11,783.48	70,289.52	10,924.58	13,042.22	439,601.93	235,659.37
429.21	2,447.02	15,138.05	2,913.52	9,558.53	8,316.45	2,731.58
.....	.....	.....	.....	.....	.....	.....
75	206	1,038	156	268	1,313	2,099
25	51	188	59	53	96	247
.....	1	28	4	10	23	60
100	258	1,254	219	331	1,432	2,406



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Mildmay	Millbrook	Milton	Milverton	Mimico
Population .....	886	720	2,560	1,068	11,975
EARNINGS	\$	\$	\$	\$	\$
Domestic service .....	8,753.18	10,307.81	33,759.63	13,946.12	155,728.40
Commercial light service .....	5,457.71	5,021.41	15,593.65	8,407.68	40,879.53
Commercial power service .....	1,687.47	757.66	46,336.80	9,376.85	26,849.40
Municipal power .....	189.57	.....	1,240.52	545.70	9,656.42
Street lighting .....	938.30	1,177.42	5,034.84	1,411.08	10,710.00
Merchandise .....	34.80	.....	.....	8.23	.....
Miscellaneous .....	251.19	169.79	756.00	129.18	5,161.55
Total earnings .....	17,312.22	17,434.09	102,721.44	33,824.84	248,985.30
EXPENSES					
Power purchased .....	10,589.25	9,550.44	76,555.90	25,656.79	136,419.61
Substation operation .....	.....	.....	186.23	.....	756.69
Distribution system, operation and maintenance .....	1,118.65	694.94	3,864.89	1,674.16	21,481.57
Line transformer maintenance .....	.....	.....	760.21	38.85	134.69
Meter maintenance .....	66.25	142.74	1,526.27	45.66	922.13
Consumers' premises expenses .....	85.00	11.74	1,352.00	3.46	694.93
Street lighting, operation and maintenance .....	259.41	214.99	841.78	305.92	2,910.21
Promotion of business .....	.....	.....	.....	.....	.....
Billing and collecting .....	553.65	1,983.32	4,033.64	1,200.85	9,361.62
General office, salaries and expenses .....	458.90	1,595.06	6,073.23	851.15	11,083.10
Undistributed expenses .....	32.41	.....	.....	58.35	.....
Truck operation and maintenance .....	.....	.....	.....	318.98	.....
Interest .....	59.73	.....	1,084.94	42.86	5,312.50
Sinking fund and principal payments on debentures .....	1,032.35	.....	690.65	.....	4,000.00
Depreciation .....	657.00	713.00	5,122.00	1,331.00	14,382.00
Other reserves .....	.....	.....	.....	.....	300.00
Total operating costs and fixed charges .....	14,912.60	14,906.23	102,091.74	31,528.03	207,759.05
Net surplus .....	2,399.62	2,527.86	629.70	2,296.81	41,226.25
Net loss .....	.....	.....	.....	.....	.....
NUMBER OF CUSTOMERS					
Domestic service .....	241	247	760	324	3,384
Commercial light service .....	66	68	128	86	272
Power service .....	7	2	22	13	46
Total .....	314	317	910	426	3,702

## Utilities for Year Ended December 31, 1952

Mitchell 1,972	Moorefield 281	Morrisburg 1,858	Mount Brydges 666	Mount Forest 2,198	Napanee 3,863	Neustadt 455
\$	\$	\$	\$	\$	\$	\$
32,454.79	2,871.47	20,571.39	5,775.12	24,411.78	53,147.75	4,152.38
15,221.31	2,030.40	13,758.39	1,755.34	17,668.57	39,219.01	2,655.51
15,200.61	1,376.92	8,044.01	2,053.37	12,429.24	22,409.03	1,992.67
2,530.98		1,498.36		946.41	1,327.29	
4,092.68	350.00	3,348.00	947.00	2,758.00	4,755.55	644.00
					3,339.07	
1,510.61	80.57	1,133.12	100.51	727.05	6,073.16	495.00
71,010.98	6,709.36	48,353.27	10,631.34	58,941.05	130,270.86	9,939.56
39,882.80	3,267.46	27,017.27	7,594.70	36,718.90	76,296.98	5,011.82
1,531.79		3,301.75				
4,395.34	65.36	2,525.74	1,256.84	2,403.73	6,029.37	218.87
583.64		420.99	28.00	314.81	149.59	
820.80	35.44	1,168.95	84.09	695.28	1,476.69	237.10
2,578.15			20.32		2,126.37	
925.75	36.03	536.38	147.81	562.20	1,394.71	42.89
1,302.29						
1,880.20	228.10	2,354.21	968.04	2,445.97	3,373.77	947.26
2,477.49	66.51	2,393.22	37.85	1,008.69	10,788.64	549.39
1,777.74	5.00	1,029.77		140.13	1,004.82	33.22
1,035.10		671.35		953.28	1,688.67	
1,227.85					11.59	2.25
800.00						
4,772.00	229.00	1,460.00	832.00	1,530.00	5,110.00	586.00
65,990.94	3,932.90	42,879.63	10,969.65	46,772.99	109,451.20	7,628.80
5,020.04	2,776.46	5,473.64		12,168.06	20,819.66	2,310.76
			338.31			
640	86	535	221	657	1,133	151
130	37	144	50	161	241	36
27	2	30	4	21	31	3
797	125	709	275	839	1,405	190

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality .....	Newboro	Newburgh	Newbury	Newcastle	New Hambury
Population .....	305	435	299	959	1,759
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	3,798.26	5,161.85	3,463.35	11,970.04	22,475.71
Commercial light service .....	1,617.93	2,975.89	1,328.59	5,628.83	11,537.63
Commercial power service .....		1,333.87	199.27	8,397.00	13,031.01
Municipal power .....					
Street lighting .....	773.30	555.00	720.00	1,538.76	2,627.28
Merchandise .....					767.15
Miscellaneous .....	3.47	6.78	197.92	344.90	419.20
Total earnings .....	6,192.96	10,033.39	5,909.13	27,879.53	50,857.98
<b>EXPENSES</b>					
Power purchased .....	1,767.51	3,951.80	3,238.03	17,296.10	32,836.03
Substation operation .....					376.66
Substation maintenance .....					
Distribution system, operation and maintenance .....	98.38	56.55	80.68	1,746.61	2,212.21
Line transformer maintenance .....	43.15	27.24		73.25	138.38
Meter maintenance .....	6.16	84.46	3.12	514.25	498.06
Consumers' premises expenses .....				254.00	1,272.70
Street lighting, operation and maintenance .....	58.32	65.23	142.78	426.73	402.65
Promotion of business .....					
Billing and collecting .....	318.57	845.80	300.31	1,555.42	1,701.22
General office, salaries and expenses .....	293.79	119.91	113.00	1,147.81	1,456.52
Undistributed expenses .....			3.50	354.44	538.23
Truck operation and maintenance .....				217.07	261.25
Interest .....	473.51	482.50			1.06
Sinking fund and principal payments on debentures .....	671.20	1,000.00			
Depreciation .....	420.00	621.00	362.00	760.00	2,262.00
Other reserves .....					
Total operating costs and fixed charges .....	4,150.59	7,254.49	4,243.42	24,345.68	43,956.97
Net surplus .....	2,042.37	2,778.90	1,665.71	3,533.85	6,901.01
Net loss .....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	88	132	99	300	476
Commercial light service .....	16	25	22	48	118
Power service .....		3	1	10	19
Total .....	104	160	122	358	613



## Utilities for Year Ended December 31, 1952

Newmarket 5,749	New Toronto 11,236	Niagara 2,240	Niagara Falls 24,158	North York Twp. 96,717	Norwich 1,419	Norwood 1,002
\$	\$	\$	\$	\$	\$	\$
66,258.99	109,395.10	43,809.18	217,343.04	1,741,300.61	19,422.58	11,031.44
31,958.36	57,758.57	13,556.95	154,356.74	313,952.51	9,922.81	6,730.82
34,764.66	315,913.35	2,154.71	165,564.74	291,939.69	3,080.18	4,907.58
2,127.50	16,906.86	1,213.26	21,305.28	33,164.55	497.76	324.89
8,096.50	10,987.95	4,722.08	43,963.10	39,355.44	2,550.00	3,030.00
		1,428.17			2.18	
214.37	6,722.71	300.00	5,137.50	5,794.66	374.29	172.42
143,420.38	517,684.54	67,184.35	607,670.40	2,425,507.46	35,849.80	26,197.15
95,332.16	403,051.85	38,615.04	356,512.46	1,419,719.30	25,227.31	13,471.21
321.56		239.90	19,755.78	12,963.71		
8,284.16	10,120.27	4,264.38	27,133.87	132,615.83	3,567.49	531.44
672.59	4,005.66	942.06	2,745.72	13,826.87	69.62	16.21
847.93	4,039.34	948.13	10,249.72	13,293.11	206.51	12.46
	127.32	76.19	9,348.58	14,454.64	1,544.07	32.81
1,450.25	2,869.97	909.24	5,812.79	13,649.91	250.71	509.40
6,144.07	8,550.17	2,080.35	22,275.28	96,029.76	1,019.69	1,148.41
4,816.80	19,191.52	2,060.32	20,263.26	56,712.19	1,477.87	1,308.21
		1,090.10	12,456.96		255.06	
		709.95	6,053.83			
2,117.49		129.15	213.62	121,473.58	225.73	810.00
2,195.92		1,200.00		126,160.79		1,000.00
6,597.00	13,222.00	4,560.41	46,573.15	110,956.00	1,584.00	2,537.00
				2,330.00		
128,779.93	465,178.10	57,825.22	539,395.02	2,134,185.69	35,428.06	21,377.15
14,640.45	52,506.44	9,359.13	68,275.38	291,321.77	421.74	4,820.00
1,580	2,436	907	5,964	29,472	464	283
237	324	114	978	1,733	97	73
43	76	13	156	242	11	5
1,860	2,836	1,034	7,098	31,447	572	361

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Oakville	Oil Springs	Omemece	Orangeville	Orono
Population.....	7,101	477	762	3,420	594
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	82,509.85	3,671.36	8,010.36	38,477.75	10,620.15
Commercial light service.....	60,276.33	2,078.76	3,582.18	26,846.54	3,599.48
Commercial power service.....	73,326.50	5,542.35	1,801.41	8,924.65	559.69
Municipal power.....	6,212.38	188.69		660.57	
Street lighting.....	6,997.96	746.00	1,214.07	5,163.04	851.50
Merchandise.....				243.42	
Miscellaneous.....	168.55	1,191.19	351.87	1,858.24	269.95
Total earnings.....	229,491.57	13,418.35	14,959.89	82,174.21	15,900.77
EXPENSES					
Power purchased.....	134,830.03	8,410.20	8,088.33	57,477.93	8,055.88
Substation operation.....					
Substation maintenance.....	500.01				
Distribution system, operation and maintenance.....	6,017.45	931.01	1,043.52	4,314.94	349.00
Line transformer maintenance.....	1,446.60	163.55	81.27	340.82	34.64
Meter maintenance.....	934.76	135.20	615.81	1,301.59	251.81
Consumers' premises expenses.....	577.11				
Street lighting, operation and maintenance.....	1,745.09	88.75	362.40	851.94	171.15
Promotion of business.....					
Billing and collecting.....	8,887.83	963.66	742.71	3,146.35	1,600.02
General office, salaries and expenses.....	13,867.83	395.01	415.79	2,011.56	1,651.55
Undistributed expenses.....			48.25	567.75	178.19
Truck operation and maintenance.....				422.22	
Interest.....	4,358.76			23.54	
Sinking fund and principal payments on debentures.....	1,625.00				
Depreciation.....	11,827.00	907.00	844.00	4,304.00	781.00
Other reserves.....					
Total operating costs and fixed charges.....	186,617.47	11,994.38	12,242.08	74,762.64	13,073.24
Net surplus.....	42,874.10	1,423.97	2,717.81	7,411.57	2,827.53
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	2,078	134	227	976	245
Commercial light service.....	332	40	40	227	43
Power service.....	88	33	6	33	3
Total.....	2,498	207	273	1,236	291

## Utilities for Year Ended December 31, 1952

Oshawa	Ottawa	Otterville	Owen Sound	Paisley	Palmerston	Paris
41,631	200,936	600	16,724	728	1,614	5,337
\$	\$	\$	\$	\$	\$	\$
591,010.29	2,529,104.05	6,954.77	196,573.10	8,785.63	21,231.98	51,631.80
205,790.30	2,137,095.16	3,138.72	110,931.14	5,371.17	10,962.24	17,059.07
633,801.80	622,652.63	762.95	134,294.31	2,177.70	9,925.09	35,845.20
18,104.52	148,504.63	117.43	321.92	252.46	1,476.51	1,165.60
51,627.39	158,712.50	961.50	15,919.06	1,929.00	3,107.26	7,420.90
			1,147.16	33.90	81.46	
33,767.57	38,023.30	202.45	2,826.01	144.33	848.97	854.72
1,534,101.87	5,634,092.27	12,137.82	462,012.70	18,694.19	47,633.51	113,977.29
994,710.24	2,753,882.70	7,567.53	291,540.65	10,388.05	28,850.90	77,356.54
3,826.22	368,102.58		9,616.39			1,428.73
	27,059.13		631.12			
47,430.80	223,725.55	1,953.82	12,077.39	1,248.64	2,057.98	6,177.70
665.10	47,674.25		2,087.37	78.21	351.33	832.93
15,264.31	70,471.34	164.31	4,319.17	97.17	401.14	1,553.54
17,673.03	25,306.86	165.08	5,206.52		332.08	437.26
7,685.33	42,153.44	152.07	3,514.11	455.36	694.82	3,498.15
582.25			353.06			
39,751.25	235,874.15	486.64	19,384.58	855.21	1,591.89	3,163.61
41,059.77	106,640.24	454.01	19,191.00	853.79	2,275.48	2,864.16
		5.00	1,340.76	24.65	495.04	1,561.57
					518.61	2,240.32
4,491.00	165,129.28	5.10	3,044.80			1,125.00
	259,901.15		5,500.00			800.00
60,305.00	518,902.00	616.00	18,747.00	1,081.00	1,724.00	9,032.00
	34,545.00	15.54				
1,233,444.30	4,879,367.67	11,585.10	396,553.92	15,082.08	39,293.27	112,071.51
300,657.57	754,724.60	552.72	65,458.78	3,612.11	8,340.24	1,905.78
11,376	53,331	201	4,658	251	486	1,440
1,079	7,565	52	674	65	100	210
188	995	9	123	7	21	33
12,643	61,891	262	5,455	323	607	1,683



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Parkhill	Parry Sound	Penetanguishene	Perth
Population.....	976	5,170	4,996	4,991
EARNINGS	\$	\$	\$	\$
Domestic service.....	15,069.14	58,480.29	31,937.57	56,470.95
Commercial light service.....	8,737.50	36,434.50	17,824.44	30,556.74
Commercial power service.....	5,176.10	11,324.88	23,385.80	24,991.76
Municipal power.....	795.24	3,184.20	2,026.11	1,082.41
Street lighting.....	2,414.18	7,879.52	3,204.92	5,849.70
Merchandise.....			72.84	4,131.25
Miscellaneous.....	54.34	2,938.13	2,174.50	2,813.85
Total earnings.....	32,246.50	120,241.52	80,626.18	125,896.66
EXPENSES				
Power purchased.....	19,152.34	26,339.67	54,872.20	82,550.00
Substation operation.....		15,305.03		120.00
Substation maintenance.....		5,082.15		
Distribution system, operation and maintenance.....	2,794.78	5,502.48	5,182.49	6,727.23
Line transformer maintenance.....	209.42	1,344.22	306.46	167.73
Meter maintenance.....	164.47	2,192.55	1,228.66	797.87
Consumers' premises expenses.....	107.70	374.02	305.03	40.02
Street lighting, operation and maintenance.....	446.91	1,273.39	583.54	1,253.60
Promotion of business.....				
Billing and collecting.....	1,133.10	4,372.47	3,593.42	3,850.96
General office, salaries and expenses.....	406.74	10,190.88	2,298.54	6,039.60
Undistributed expenses.....	73.52	5,969.14	1,300.75	581.90
Truck operation and maintenance.....	179.73	2,260.90	501.01	1,627.87
Interest.....	504.00	51.40		
Sinking fund and principal payments on debentures.....	600.00	1,713.43		
Depreciation.....	1,673.00	10,335.00	3,407.00	4,442.00
Other reserves.....		90.12		
Total operating costs and fixed charges.....	27,445.71	92,396.85	73,579.10	108,198.78
Net surplus.....	4,800.79	27,844.67	7,047.08	17,697.88
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	359	1,381	1,061	1,462
Commercial light service.....	92	249	156	240
Power service.....	12	22	21	33
Total.....	463	1,652	1,238	1,735

## Utilities for Year Ended December 31, 1952

Peter- borough 38,392	Petrolia 3,130	Picton 4,103	Plattsville 416	Point Edward 1,955	Port Colborne 12,744	Port Credit 4,000
\$	\$	\$	\$	\$	\$	\$
471,277.01	27,466.10	49,432.95	6,669.10	20,798.55	86,502.92	61,003.99
196,404.22	19,655.29	31,620.73	3,744.77	8,379.61	57,618.68	23,117.90
372,154.89	24,703.72	14,597.04	3,911.87	106,314.79	50,464.97	15,526.84
13,951.06		3,513.66			7,810.90	4,959.48
49,302.50	3,790.61	3,983.04	459.00	2,442.06	13,004.20	3,868.00
					98.70	
842.02	1,515.49	1,765.56	130.34	1,264.15	3,300.99	759.87
1,103,931.70	77,131.21	104,912.98	14,915.08	139,199.16	218,801.36	109,236.08
747,570.17	37,317.16	78,198.47	10,997.49	88,110.54	119,055.56	69,999.25
17,785.93	298.48	118.70				
3,959.84						
36,793.84	5,034.58	3,496.89	94.95	1,266.58	19,784.63	4,284.79
2,841.83	361.10	155.58		395.08	1,421.99	366.99
25,871.64	1,485.83	680.86	44.65	522.61	2,338.88	272.43
22,084.11	3,967.15	80.66		1,957.31	3,680.28	1,437.23
11,323.29	587.51	471.93	56.81	541.48	5,327.30	1,273.60
466.25				22.16		
31,495.03	4,505.96	5,122.15	320.37	3,593.65	10,448.48	3,916.32
18,522.28	7,147.61	2,445.59	37.80	4,277.90	5,583.30	2,111.24
33,705.62	3,221.03	660.44	5.00	29.16	4,707.61	
11,097.36	1,786.27	481.05			2,012.11	
13,878.11	217.61	1.40	1.87	24.07		2,253.43
18,400.00						4,179.22
63,245.00	6,266.00	6,283.00	449.00	2,654.00	10,032.13	5,000.00
500.00				100.00		
1,059,540.30	72,196.29	98,196.72	12,007.94	103,494.54	184,392.27	95,094.50
44,391.40	4,934.92	6,716.26	2,907.14	35,704.62	34,409.09	14,141.58
10,256	941	1,361	144	516	3,164	1,164
1,301	183	266	31	58	427	152
203	59	41	2	14	53	22
11,760	1,183	1,668	177	588	3,644	1,338

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Port Dalhousie 2,612	Port Dover 2,411	Port Elgin 1,595	Port Hope 6,400	Port McNicoll 831
Population.....					
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	47,044.58	23,093.84	29,869.65	89,544.48	9,575.25
Commercial light service.....	10,032.37	13,138.68	15,200.74	35,666.37	2,090.47
Commercial power service.....	9,750.25	8,769.59	6,597.45	83,724.51	39,450.55
Municipal power.....			747.42	2,542.02	476.90
Street lighting.....	2,568.51	3,351.58	3,249.56	8,484.58	1,085.00
Merchandise.....			98.00		52.16
Miscellaneous.....		46.75	248.18	749.93	113.07
Total earnings.....	69,395.71	48,400.44	56,011.00	220,711.89	52,843.40
EXPENSES					
Power purchased.....	41,770.57	31,751.05	30,009.41	170,255.90	40,745.90
Substation operation.....					
Substation maintenance.....				84.46	
Distribution system, operation and maintenance.....	5,360.13	4,070.05	4,594.60	6,662.86	1,031.09
Line transformer maintenance.....	213.34	440.64	374.34	238.04	73.99
Meter maintenance.....	1,730.15	1,419.25	428.84	2,142.12	293.32
Consumers' premises expenses.....	506.15	11.57	134.36	2,327.02	16.50
Street lighting, operation and main- tenance.....	328.21	611.70	523.49	1,357.64	198.67
Promotion of business.....					
Billing and collecting.....	3,306.70	1,807.91	2,371.76	6,128.69	1,075.75
General office, salaries and expenses	3,390.41	1,327.33	1,704.90	8,332.10	731.23
Undistributed expenses.....	2,317.00	212.21	208.68	5,249.33	79.39
Truck operation and maintenance	1,105.98	770.45	1,769.44	1,529.70	
Interest.....	496.29	19.83		417.38	103.73
Sinking fund and principal pay- ments on debentures.....	1,552.31			1,300.00	300.00
Depreciation.....	2,613.80	3,790.00	2,291.00	7,707.00	872.00
Other reserves.....					
Total operating costs and fixed charges.....	64,691.04	46,231.99	44,410.82	213,732.24	45,521.57
Net surplus.....	4,704.67	2,168.45	11,600.18	6,979.65	7,321.83
Net loss.....					
NUMBER OF CUSTOMERS					
Domestic service.....	944	1,033	685	1,961	350
Commercial light service.....	86	178	151	263	32
Power service.....	12	22	12	45	2
Total.....	1,042	1,233	848	2,269	384



## Utilities for Year Ended December 31, 1952

Port Perry 1,817	Port Rowan 792	Port Stanley 1,383	Prescott 3,784	Preston 8,189	Priceville 151	Princeton 350
\$	\$	\$	\$	\$	\$	\$
25,224.66	6,065.92	30,330.90	48,323.18	90,715.95	1,630.66	5,334.69
10,953.77	5,952.57	11,016.70	25,912.45	34,451.61	1,039.81	1,696.83
3,783.11	481.67	11,451.26	18,293.10	124,448.75		1,876.73
	582.05	1,107.22	1,672.39	1,746.00		
2,078.79	965.00	3,432.50	4,842.50	10,229.58	267.00	589.00
60.00						
490.32	46.30	384.74	425.79	2,432.20	19.10	215.39
42,590.65	14,093.51	57,723.32	99,469.41	264,024.09	2,956.57	9,712.64
22,475.67	6,813.64	28,822.21	59,599.91	179,218.32	858.46	6,207.27
			2,467.96	2,686.27		
				5,428.62		
3,114.53	545.91	3,792.86	4,308.46	9,267.70	33.46	178.57
248.26	33.21	86.33	170.33	2,310.31		43.53
456.14	136.36	820.69	661.15	2,662.48	43.75	52.50
611.45		56.77	1,332.08	836.37		14.20
469.21	131.41	906.67	1,015.77	1,532.66	50.75	72.57
2,028.73	591.01	3,039.54	3,754.86	4,711.10	185.09	504.71
1,473.87	58.35	1,286.27	5,705.84	6,451.30	143.09	75.45
4.62	180.18		1,063.28	1,943.73		
	325.39	326.84	504.43	1,764.25		
	30.00	8.01	385.00	9,717.08	210.93	
			1,100.00	5,800.00	225.00	
1,630.00	840.00	3,222.00	3,102.00	15,549.00	367.00	493.00
32,512.48	9,685.46	42,368.19	85,171.07	249,879.19	2,117.53	7,641.80
10,078.17	4,408.05	15,355.13	14,298.34	14,144.90	839.04	2,070.84
537	256	1,041	1,000	2,125	53	120
114	64	119	190	254	12	26
10	5	16	26	68		5
661	325	1,176	1,216	2,447	65	151

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Queenston	Renfrew	Richmond	Richmond Hill	Ridgetown
Population.....	331	7,533	603	3,140	2,280
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	6,152.21	71,135.62	7,564.30	35,254.60	17,368.41
Commercial light service.....	3,803.31	30,615.70	3,405.49	14,547.77	16,889.16
Commercial power service.....		64,884.96	274.57	3,985.75	7,331.04
Municipal power.....		4,638.26		1,169.21	1,490.92
Street lighting.....	768.00	6,839.89	607.50	1,772.50	4,896.00
Merchandise.....					
Miscellaneous.....	190.50	3,655.09	11.19	16.77	482.49
Total earnings.....	10,914.02	181,769.52	11,863.05	56,746.60	48,458.02
<b>EXPENSES</b>					
Power purchased.....	6,512.82	55,335.45	5,648.93	40,266.85	29,422.16
Substation operation.....		39,157.59			
Substation maintenance.....		6,386.46			
Distribution system, operation and maintenance.....	1,019.96	9,650.43	307.33	871.79	4,297.09
Line transformer maintenance.....	13.31	1,594.17	50.55	94.82	133.35
Meter maintenance.....	72.26	1,764.70	42.09	85.09	1,956.81
Consumers' premises expenses.....	286.73	179.91		83.08	36.21
Street lighting, operation and maintenance.....	172.68	1,343.32	77.49	212.41	1,874.43
Promotion of business.....					18.36
Billing and collecting.....	328.10	7,167.16	314.03	3,137.57	3,303.53
General office, salaries and expenses.....	484.10	12,994.88	74.35	515.59	3,390.39
Undistributed expenses.....	9.17				
Truck operation and maintenance.....		2,667.06			139.97
Interest.....		7,870.46	60.52	476.29	11.62
Sinking fund and principal payments on debentures.....		14,677.14		318.76	
Depreciation.....	601.00	17,079.00	559.00	2,055.00	2,612.00
Other reserves.....					
Total operating costs and fixed charges.....	9,500.13	177,867.73	7,134.29	48,117.25	47,195.92
Net surplus.....	1,413.89	3,901.79	4,728.76	8,629.35	1,262.10
Net loss.....					
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	122	1,928	168	697	746
Commercial light service.....	18	299	27	120	174
Power service.....		63	1	20	27
Total.....	130	2,290	196	837	947

## Utilities for Year Ended December 31, 1952

Ripley	Riverside	Rockwood	Rodney	Rosseau	Russell	St. Catharines
457	10,138	701	940	207	475	38,619
\$	\$	\$	\$	\$	\$	\$
6,711.34	142,528.19	9,878.14	6,809.35	2,660.94	6,477.44	409,504.03
3,578.48	20,224.19	3,162.46	4,471.74	2,169.66	3,351.08	240,994.00
2,077.98	13,999.16	72.00	3,924.03		376.93	702,525.73
619.85	5,575.77					
1,190.00	7,037.64	1,186.56	1,259.99	940.02	896.00	44,430.99
						24.61
49.24	1,627.46	186.70	379.61	47.47	45.14	4,500.00
14,226.89	190,992.41	14,485.86	16,844.72	5,818.09	11,146.59	1,401,979.36
6,145.94	113,893.01	9,539.71	10,797.28	1,768.39	3,403.79	1,016,443.76
	39.40					20,449.36
1,014.04	5,450.97	476.08	1,289.97	320.29	810.32	62,578.22
	476.57		15.05	47.46		9,087.26
86.41	1,262.76	58.70	1,167.07	47.16	118.40	26,237.32
	12,063.60		3.40		28.65	5,495.48
164.27	2,417.52	35.35	300.86	86.27	153.87	8,393.47
	42.75					588.29
483.93	4,678.20	790.32	1,094.81	308.93	511.13	42,445.44
268.10	6,450.09	654.55	255.40	171.15	411.70	20,960.52
		6.67	49.02			27,560.05
	1,571.92					13,673.96
	2,025.00		1.25	97.35		2,670.71
	3,662.06			1,008.72		
721.00	9,203.00	550.00	1,175.00	283.00	557.00	51,875.59
8,883.69	163,236.85	12,111.38	16,149.11	4,138.72	5,994.86	1,308,459.43
5,343.20	27,755.56	2,374.48	695.61	1,679.37	5,151.73	93,519.93
151	2,959	220	326	87	153	10,844
55	146	40	78	17	35	1,437
3	17	2	9		2	280
209	3,122	262	413	104	190	12,561



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	St. Clair Beach 561	St. George 646	St. Jacobs 701	St. Mary's 4,061
Population.....				
EARNINGS	\$	\$	\$	\$
Domestic service.....	9,208.80	5,896.15	8,392.25	69,284.43
Commercial light service.....	3,623.54	4,064.94	3,561.18	25,105.57
Commercial power service.....	247.58	4,080.58	4,378.52	38,232.41
Municipal power.....				1,857.13
Street lighting.....	424.90	984.00	506.00	6,467.36
Merchandise.....				
Miscellaneous.....	358.11	233.67	438.35	816.84
Total earnings.....	13,862.93	15,259.34	17,276.30	141,763.74
EXPENSES				
Power purchased.....	7,784.44	9,260.67	13,015.31	72,619.74
Substation operation.....				2,116.63
Substation maintenance.....				
Distribution system, operation and maintenance.....	599.38	209.10	249.45	4,755.55
Line transformer maintenance.....	45.95	54.97		541.05
Meter maintenance.....	77.70	123.92	81.89	534.12
Consumers' premises expenses.....	106.65			6,759.82
Street lighting, operation and main- tenance.....	21.04	156.31	138.00	2,350.92
Promotion of business.....				31.60
Billing and collecting.....	582.95	903.53	877.48	3,524.76
General office, salaries and expenses.....	1,090.25	161.80	139.95	5,800.10
Undistributed expenses.....		13.85	3.68	2,363.74
Truck operation and maintenance.....				
Interest.....	17.75			2,460.14
Sinking fund and principal payments on debentures.....				3,579.29
Depreciation.....	903.00	584.00	753.00	8,675.00
Other reserves.....				
Total operating costs and fixed charges.....	11,229.11	11,468.15	15,258.76	116,112.46
Net surplus.....	2,633.82	3,791.19	2,017.54	25,651.28
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	188	199	175	1,239
Commercial light service.....	16	46	39	207
Power service.....	1	5	8	44
Total.....	205	250	222	1,490

## Utilities for Year Ended December 31, 1952

St. Thomas	Sarnia	Scarborough Twp. (V.A.)	Seaforth	Shelburne	Simcoe
18,844	37,480		2,151	1,292	7,138
\$	\$	\$	\$	\$	\$
225,472.50	471,825.63	703,899.56	28,494.53	14,040.77	54,271.48
102,773.75	215,278.83	177,052.31	20,144.18	9,315.48	57,270.47
133,364.54	449,775.09	328,143.93	15,488.30	4,763.22	57,612.91
6,661.23	12,542.94	33,422.73	918.21	495.12	3,255.00
17,075.38	28,721.16	36,547.64	4,900.00	1,310.00	12,204.90
	19,076.99				121.03
4,273.66	12,289.42	4,982.46	516.00	224.40	3,542.42
489,621.06	1,209,510.06	1,284,048.63	70,461.22	30,148.99	188,278.21
311,802.84	653,476.22	814,730.48	33,997.25	22,017.25	120,595.57
24,676.83	33,534.05				943.06
1,651.66	3,407.98	4,116.73	398.70		
24,754.17	45,986.59	56,089.16	1,967.19	1,086.98	9,721.41
2,807.34	8,133.36	6,834.30	533.83	217.79	1,289.52
7,365.79	20,815.53	3,300.41	247.69	406.39	5,087.23
19,956.95	51,647.25	14,025.23	338.21		3,145.72
3,856.41	8,586.97	10,596.14	865.23	301.27	2,437.45
638.72	543.53		130.44		196.13
19,917.07	35,260.82	35,723.07	1,922.24	1,416.33	5,569.92
21,662.17	55,210.18	34,081.04	1,766.33	714.91	4,714.49
	4,219.89		891.35	115.82	2,387.78
	13,912.40		1,099.39		2,363.64
379.92	24,934.49	58,098.79	1,770.52	70.75	2.00
	14,101.80	46,500.00	2,106.32		
17,455.00	52,845.00	47,000.00	3,262.00	1,376.00	10,692.00
	800.00	1,510.00			
456,924.87	1,027,416.06	1,132,605.35	51,296.69	27,723.49	169,145.92
32,696.19	182,094.00	151,443.28	19,164.53	2,425.50	19,132.29
5,547	9,680	16,773	645	401	2,112
700	1,167	1,220	123	100	480
106	115	200	20	13	77
6,353	10,962	18,193	788	514	2,669

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Smith's Falls	Smithville	Southamp- ton	Springfield
Population.....	8,347	725	1,744	531
EARNINGS	\$	\$	\$	\$
Domestic service.....	106,357.31	6,649.83	23,887.35	4,816.12
Commercial light service.....	51,912.49	4,982.12	10,743.74	1,758.08
Commercial power service.....	46,228.97	11,008.31	14,004.90	1,946.08
Municipal power.....	398.12	184.16	1,102.52	
Street lighting.....	9,373.30	1,637.00	4,196.23	786.17
Merchandise.....			17.00	
Miscellaneous.....	2,389.12	410.98	19.86	148.28
Total earnings.....	216,659.31	24,872.40	53,971.60	9,454.73
EXPENSES				
Power purchased.....	134,066.36	14,532.23	32,772.68	5,084.65
Substation operation.....	710.07			
Substation maintenance.....	2,979.37			
Distribution system, operation and maintenance.....	13,921.28	2,087.80	4,437.82	313.69
Line transformer maintenance.....	899.54	54.36	439.95	99.31
Meter maintenance.....	1,422.60	708.90	575.17	74.77
Consumers' premises expenses.....	726.37	531.63	345.22	28.53
Street lighting, operation and main- tenance.....	1,413.77	251.76	713.49	143.92
Promotion of business.....				
Billing and collecting.....	8,487.74	1,944.11	2,203.06	541.19
General office, salaries and expenses.....	8,357.56	1,295.74	1,019.11	337.01
Undistributed expenses.....		114.17	251.20	5.00
Truck operation and maintenance.....	1,822.53	783.74	1,038.24	
Interest.....				
Sinking fund and principal payments on debentures.....				
Depreciation.....	12,072.00	961.00	2,286.00	747.00
Other reserves.....				
Total operating costs and fixed charges.....	186,879.19	23,265.44	46,081.94	7,375.07
Net surplus.....	29,780.12	1,606.96	7,889.66	2,079.66
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	2,567	228	805	137
Commercial light service.....	357	77	98	33
Power service.....	52	10	14	4
Total.....	2,976	315	917	174



## Utilities for Year Ended December 31, 1952

Stamford Twp. 20,633	Stayner 1,273	Stirling 1,163	Stoney Creek 1,850	Stouffville 1,788	Stratford 19,302	Strathroy 3,705
\$	\$	\$	\$	\$	\$	\$
265,420.62	15,352.35	15,416.49	31,578.63	20,139.89	257,963.89	53,831.98
67,513.63	7,722.33	8,200.27	13,064.24	10,463.32	97,603.07	27,182.87
48,714.39	4,446.47	3,164.91	4,832.75	8,560.49	99,229.61	26,237.82
3,497.01	107.57	336.86	1,245.15	.....	12,173.08	2,639.18
15,976.26	1,643.00	1,824.00	1,983.76	1,624.00	17,857.65	6,504.26
.....	13.23	699.95	.....	.....	382.19	.....
.....	293.44	379.18	96.79	292.14	15,157.65	144.76
401,121.91	29,578.39	30,021.66	52,801.32	41,079.84	500,367.14	116,540.87
182,043.79	19,276.72	18,632.20	28,835.05	30,977.78	332,810.20	65,555.21
2,851.27	.....	494.80	.....	.....	13,986.87	1,769.04
.....	.....	.....	.....	.....	5,967.65	.....
29,165.72	909.22	4,110.06	594.69	1,747.35	13,721.41	5,588.21
3,495.55	209.36	.....	393.67	201.88	4,115.09	1,506.12
7,495.73	425.81	108.87	398.70	142.88	2,882.31	571.92
791.80	14.30	9.73	165.70	.....	10,323.35	162.89
4,210.61	401.58	382.62	184.39	177.45	3,896.67	1,302.91
1,823.36	.....	.....	.....	.....	1,328.50	.....
15,862.56	1,571.22	1,258.27	1,983.91	2,143.25	18,346.75	2,155.23
10,860.29	1,034.61	2,056.51	311.18	810.47	19,814.02	6,036.74
10,617.54	.....	202.20	.....	.....	7,252.39	1,884.96
9,085.71	.....	233.74	.....	.....	.....	1,965.99
22,792.39	40.10	.....	1,575.45	.....	2,650.00	7.91
11,188.66	.....	.....	1,568.22	.....	900.00	.....
24,728.17	1,823.00	1,879.00	2,233.00	1,277.00	24,219.00	6,946.00
337,013.15	25,705.92	29,368.00	38,243.96	37,478.06	462,214.21	95,453.13
64,108.76	3,872.47	653.66	14,557.36	3,601.78	38,152.93	21,087.74
5,056	401	354	623	569	5,328	1,163
328	104	87	96	103	700	228
45	20	14	14	11	153	42
5,429	525	455	733	683	6,181	1,433

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Streetsville	Sunderland	Sundridge*	Sutton
Population.....	1,169	550	640	1,228
EARNINGS	\$	\$	\$	\$
Domestic service.....	17,225.93	7,403.04	3,123.36	17,951.16
Commercial light service.....	6,146.87	3,898.98	3,306.65	13,565.72
Commercial power service.....	16,728.35	3,437.63	268.77	4,317.41
Municipal power.....	431.23			
Street lighting.....	2,074.76	1,005.23	430.00	2,116.25
Merchandise.....			5.00	
Miscellaneous.....	50.00	6.46		229.96
Total earnings.....	42,657.14	15,751.34	7,133.78	38,180.50
EXPENSES				
Power purchased.....	29,265.29	9,145.31	3,049.35	22,375.10
Substation operation.....				
Substation maintenance.....	3,030.30			
Distribution system, operation and maintenance.....	1,492.59	743.73	200.84	812.60
Line transformer maintenance.....	318.64	85.37	20.90	510.41
Meter maintenance.....	564.21	223.58	176.33	124.50
Consumers' premises expenses.....				4.29
Street lighting, operation and maintenance.....	568.90	156.35	101.00	495.26
Promotion of business.....				
Billing and collecting.....	2,387.21	659.51	367.13	2,547.13
General office, salaries and expenses.....	1,628.37	368.61	164.03	431.85
Undistributed expenses.....		5.00	7.68	
Truck operation and maintenance.....				
Interest.....			1,076.39	
Sinking fund and principal payments on debentures.....			617.45	
Depreciation.....	1,768.00	616.00	679.00	2,128.00
Other reserves.....				
Total operating costs and fixed charges.....	41,023.51	12,003.46	6,460.10	29,429.14
Net surplus.....	1,633.63	3,747.88	673.68	8,751.36
Net loss.....				
NUMBER OF CUSTOMERS				
Domestic service.....	346	187	190	617
Commercial light service.....	64	46	51	136
Power service.....	14	3	1	9
Total.....	424	236	242	762

\*6 months' operation

## Utilities for Year Ended December 31, 1952

Swansea	Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville
8,250	490	1,134	3,565	850	230	950
\$	\$	\$	\$	\$	\$	\$
133,978.04	6,374.88	14,504.22	35,612.40	9,080.14	9,682.20	9,170.27
31,597.92	3,869.57	7,467.77	13,647.90	5,022.24	4,177.69	8,442.29
38,805.48	2,185.99	10,012.40	9,410.72	6,189.66	3,020.43	8,532.35
2,785.69	175.95	442.99	.....	417.67	.....	237.41
8,754.67	1,238.00	1,414.98	1,878.69	1,488.00	718.00	1,424.00
.....	.....	61.21	.....	.....	.....	.....
537.63	1.52	375.67	857.45	430.11	19.90	90.00
216,459.43	13,845.91	34,279.24	61,407.16	22,627.82	17,618.22	27,896.32
128,163.00	8,964.30	28,815.82	32,225.03	13,791.31	13,463.16	18,493.47
1,787.95	.....	.....	.....	.....	.....	.....
5,176.28	737.82	859.99	4,025.70	1,041.93	429.97	1,631.23
1,268.13	.....	22.78	522.42	274.40	279.49	24.40
613.63	236.93	82.05	781.19	210.14	74.52	268.71
11,485.41	.....	933.09	1,414.78	.....	363.82	.....
2,031.74	177.51	480.88	762.38	270.19	119.51	243.30
9,068.55	455.74	1,378.64	1,903.08	922.67	1,087.61	905.82
5,866.92	73.40	790.38	2,740.32	512.35	145.11	432.20
.....	2.22	82.19	220.51	.....	5.42	41.76
7,448.42	.....	394.10	675.21	.....	.....	682.92
.....	.....	.....	.....	10.75	114.24	35.73
11,190.19	.....	466.68	.....	.....	100.00	.....
10,107.00	805.00	1,721.00	3,484.00	1,552.00	838.00	1,545.00
.....	.....	.....	.....	.....	.....	.....
194,207.22	11,452.92	36,027.60	48,754.62	18,585.74	17,020.85	24,304.54
22,252.21	2,392.99	.....	12,652.54	4,042.08	597.37	3,591.78
.....	.....	1,748.36	.....	.....	.....	.....
2,502	180	347	1,000	274	187	306
147	52	108	88	70	52	100
28	7	10	8	11	5	14
2,677	239	465	1,096	355	244	420



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Thedford	Thornbury	Thorndale	Thornton
Population .....	604	1,013	310	196
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	7,239.72	14,027.68	5,296.10	2,345.66
Commercial light service .....	5,905.68	6,481.12	1,815.74	872.01
Commercial power service .....	2,629.62	5,350.01	3,032.39	84.86
Municipal power .....		527.29		
Street lighting .....	1,275.00	1,868.40	408.00	26.00
Merchandise .....		4.02		
Miscellaneous .....	211.14	9.48	37.77	3.39
Total earnings .....	17,261.16	28,268.00	10,590.00	3,331.92
<b>EXPENSES</b>				
Power purchased .....	9,276.93	12,117.88	6,099.34	1,933.06
Substation operation .....		5,894.40		
Substation maintenance .....				
Distribution system, operation and maintenance .....	406.31	1,881.58	251.54	186.95
Line transformer maintenance .....	194.59	148.53	101.57	
Meter maintenance .....	10.00	546.97	24.00	39.35
Consumers' premises expenses .....		54.50	5.99	
Street lighting, operation and maintenance .....	231.21	1,053.61	139.05	44.50
Promotion of business .....				
Billing and collecting .....	885.30	1,136.57	579.23	118.04
General office, salaries and expenses .....	377.29	790.98	64.90	53.51
Undistributed expenses .....	26.90	235.99		
Truck operation and maintenance .....		265.60		
Interest .....		1,395.14		
Sinking fund and principal payments on debentures .....		812.24		
Depreciation .....	926.00	1,347.00	533.00	356.00
Other reserves .....				
Total operating costs and fixed charges .....	12,334.53	27,680.99	7,798.62	2,731.41
Net surplus .....	4,926.63	587.01	2,791.38	600.51
Net loss .....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service .....	212	355	97	76
Commercial light service .....	66	89	25	13
Power service .....	5	14	3	1
Total .....	283	458	125	90

## Utilities for Year Ended December 31, 1952

Thorold 6,705	Tilbury 2,920	Tillsonburg 5,387	Toronto 667,364	Toronto Twp. 30,000	Tottenham 594	Trafalgar Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
53,748.32	21,568.72	51,225.93	7,206,869.14	389,379.63	7,686.32	99,724.48
22,438.09	16,586.66	46,588.10	5,443,267.64	78,698.90	3,150.29	12,016.00
128,589.33	28,864.32	41,008.55	7,233,199.17	122,108.41	1,411.61	12,644.95
6,746.82	258.72	2,337.77	2,055,124.90	5,680.97	490.84	.....
6,066.96	5,603.45	9,957.45	622,620.28	15,961.90	1,365.00	145.00
139.21	.....	626.14	.....	.....	.....	.....
.....	1,173.25	2,605.31	553,311.54	1,699.32	158.17	386.44
217,728.73	74,055.12	154,349.25	23,114,392.67	613,529.13	14,262.23	124,916.87
165,800.09	47,298.05	84,617.32	*13,161,109.21	354,943.56	6,725.67	67,945.33
6,591.71	.....	2,442.71	499,426.63	.....	.....	.....
.....	.....	.....	579,544.42	1,926.40	.....	.....
8,782.95	2,869.88	13,482.12	976,998.58	34,774.36	1,328.02	13,144.45
628.00	217.35	729.48	164,573.57	8,236.50	22.47	1,621.68
3,330.95	1,130.68	1,895.31	237,820.03	2,199.23	200.09	2,719.74
120.29	37.05	44.68	620,090.82	479.41	.....	439.68
2,184.91	1,302.04	1,852.02	238,815.77	7,389.89	280.83	41.53
.....	6.67	.....	257,966.15	.....	.....	.....
4,024.10	1,945.42	4,391.68	812,227.89	31,887.96	660.11	6,216.77
4,114.80	1,913.85	6,423.15	847,352.83	23,425.50	220.50	11,556.40
3,354.38	382.72	2,565.86	905,933.98	.....	47.11	.....
1,958.07	1,078.06	2,646.41	.....	.....	142.34	.....
2,825.70	.....	4,515.85	109,889.51	29,453.10	250.15	5,037.48
.....	.....	4,916.98	29,625.00	21,864.58	587.52	3,088.43
7,646.98	3,729.00	8,855.00	1,928,876.45	36,555.00	670.00	5,635.00
.....	.....	.....	.....	1,250.00	.....	200.00
211,362.93	61,910.77	139,378.57	21,370,250.84	554,385.49	11,134.81	117,646.49
6,365.80	12,144.35	14,970.68	†1,744,141.83	59,143.64	3,127.42	7,270.38
.....	.....	.....	.....	.....	.....	.....
1,734	808	1,645	157,761	7,208	192	1,372
194	164	352	27,472	635	53	88
37	24	51	6,302	112	8	16
1,965	996	2,048	191,535	7,955	253	1,476

\*Includes 1952 cost adjustment.

†\$1,730,000.00 allocated to reserve for frequency standardization and other reserves.

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Trenton	Tweed	Uxbridge	Victoria Harbour
Population.....	10,086	1,557	1,841	969
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	106,425.62	17,741.42	24,131.66	8,121.95
Commercial light service.....	41,821.40	10,961.55	10,410.86	2,122.91
Commercial power service.....	110,468.73	11,440.05	8,413.97	
Municipal power.....	8,651.63	1,118.59	764.01	296.75
Street lighting.....	13,118.01	2,258.89	2,119.09	794.00
Merchandise.....			213.44	
Miscellaneous.....	3,287.82	1,006.26	316.69	81.80
Total earnings.....	283,773.21	44,526.76	46,369.72	11,417.41
<b>EXPENSES</b>				
Power purchased.....	199,111.67	24,236.68	27,460.47	7,716.09
Substation operation.....	375.64			
Substation maintenance.....				
Distribution system, operation and maintenance.....	6,040.65	2,058.91	2,074.97	720.18
Line transformer maintenance.....	225.10	240.73	183.87	
Meter maintenance.....	4,860.41	633.33	803.90	199.37
Consumers' premises expenses.....	1,595.24		485.34	
Street lighting, operation and maintenance.....	2,045.60	649.01	441.19	162.05
Promotion of business.....				
Billing and collecting.....	7,862.59	2,078.54	1,785.55	940.46
General office, salaries and expenses.....	7,873.80	648.56	1,378.53	463.51
Undistributed expenses.....	547.54		5.12	62.21
Truck operation and maintenance.....	3,848.73			
Interest.....		1.38		
Sinking fund and principal payments on debentures.....				
Depreciation.....	14,120.00	1,439.00	1,757.00	504.00
Other reserves.....				
Total operating costs and fixed charges.....	248,506.97	31,986.14	36,375.94	10,767.87
Net surplus.....	35,266.24	12,540.62	9,993.78	649.54
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	3,043	448	581	344
Commercial light service.....	322	98	128	38
Power service.....	64	20	20	1
Total.....	3,429	566	729	383



## Utilities for Year Ended December 31, 1952

Walkerton	Wallaceburg	Wardsville	Warkworth	Waterdown	Waterford
3,368	7,355	287	510	1,491	1,695
\$	\$	\$	\$	\$	\$
39,893.69	58,882.88	3,717.56	6,194.87	20,704.27	16,061.51
27,360.48	42,961.25	2,718.01	2,982.04	5,250.14	7,341.39
16,066.39	211,789.50	57.44	948.34	2,391.36	5,358.57
702.17	6,375.00	.....	.....	214.32	420.04
6,031.82	7,174.11	720.00	784.56	1,536.25	1,845.00
217.10	6,929.13	.....	.....	.....	.....
1,593.87	7,633.89	123.18	153.83	248.40	347.42
91,865.52	341,745.76	7,336.19	11,063.64	30,344.74	31,373.93
52,730.68	263,352.87	4,330.73	5,073.09	19,222.35	21,919.84
.....	878.36	.....	.....	.....	.....
5,061.95	13,397.54	165.28	127.26	2,869.65	1,752.03
537.73	213.13	63.02	13.81	667.28	262.68
1,256.36	663.46	.....	79.70	461.42	861.61
67.07	2.80	8.00	.....	4.48	.....
646.34	1,561.61	47.75	121.49	392.84	721.31
.....	149.08	.....	.....	.....	.....
3,388.75	5,319.98	188.30	355.88	1,214.37	1,058.23
4,548.80	11,068.33	123.73	189.38	450.23	713.00
1,018.09	.....	12.60	7.78	132.99	99.64
943.52	4,048.43	.....	.....	297.89	664.09
5.58	83.77	.....	155.61	20.33	.....
.....	.....	.....	670.97	.....	.....
3,375.00	14,674.00	487.00	355.00	1,726.00	1,828.00
.....	100.00	.....	.....	.....	.....
73,579.87	315,513.36	5,426.41	7,149.97	27,459.83	29,880.43
18,285.65	26,232.40	1,909.78	3,913.67	2,884.91	1,493.50
.....	.....	.....	.....	.....	.....
951	2,110	95	170	401	550
185	362	25	55	55	86
21	76	1	2	10	13
1,157	2,548	121	227	466	649

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Waterloo	Watford	Waubau- shene (V.A.)	Welland
Population.....	12,449	1,200		16,292
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	153,280.40	16,348.16	6,865.29	102,034.63
Commercial light service.....	59,580.17	9,810.45	2,477.48	83,429.22
Commercial power service.....	130,695.35	10,834.89	700.99	279,677.24
Municipal power.....	5,872.54	521.78	222.41	5,154.07
Street lighting.....	14,500.02	1,909.08	638.00	23,403.92
Merchandise.....	37.37			645.30
Miscellaneous.....	293.66	528.49		9,829.60
Total earnings.....	364,259.51	39,952.85	10,904.17	504,173.98
<b>EXPENSES</b>				
Power purchased.....	268,732.19	19,740.70	8,211.57	380,757.38
Substation operation.....	4,950.30			17,047.33
Substation maintenance.....	3,292.29			1,235.17
Distribution system, operation and maintenance.....	11,626.00	1,902.04	939.69	14,313.75
Line transformer maintenance.....	1,225.90	76.48	162.27	1,315.12
Meter maintenance.....	3,768.70	539.80	269.97	13,639.72
Consumers' premises expenses.....		58.75		5,575.31
Street lighting, operation and main- tenance.....	2,306.67	234.63	163.30	2,048.18
Promotion of business.....				70.56
Billing and collecting.....	10,009.35	1,672.19	882.81	14,191.18
General office, salaries and expenses.....	3,170.22	1,988.13	219.50	13,691.09
Undistributed expenses.....	1,712.06	363.77	45.65	9,529.70
Truck operation and maintenance.....		183.33		3,379.71
Interest.....	5,413.89		14.62	257.29
Sinking fund and principal payments on debentures.....	6,666.66			
Depreciation.....	21,145.00	1,735.00	648.00	17,246.28
Other reserves.....				
Total operating costs and fixed charges.....	344,019.23	28,494.82	11,557.38	494,297.77
Net surplus.....	20,240.28	11,458.03		9,876.21
Net loss.....			653.21	
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	3,393	370	322	3,950
Commercial light service.....	343	93	35	615
Power service.....	94	10	3	118
Total.....	3,830	473	360	4,683

## Utilities for Year Ended December 31, 1952

Wellesley 608	Wellington 986	West Lorne 1,038	Weston 8,256	Westport 718	Wheatley 1,047	Whitby 7,619
\$	\$	\$	\$	\$	\$	\$
7,329.85	10,904.15	9,214.02	122,179.68	7,602.25	9,869.89	80,196.38
3,730.01	5,062.67	8,015.69	49,789.65	7,067.50	11,264.80	31,738.22
2,189.34	6,529.80	20,350.48	113,294.24	.....	8,528.06	31,278.51
.....	.....	.....	4,003.32	.....	1,186.72	4,051.38
919.00	1,603.92	1,659.30	12,810.50	1,253.79	2,312.00	6,740.20
.....	.....	.....	.....	.....	.....	614.41
192.96	366.19	2,407.87	138.09	169.61	149.47	1,248.26
14,361.16	24,466.73	41,647.36	302,215.48	16,093.15	33,310.94	155,867.36
9,054.51	14,614.90	29,451.39	197,292.27	6,426.29	19,275.03	84,046.01
.....	.....	.....	4,199.83	.....	.....	1,435.11
86.27	1,322.06	1,176.25	16,806.57	890.73	1,566.98	4,980.99
80.04	21.74	105.79	2,763.00	351.49	23.76	1,006.08
91.90	234.80	1,203.46	3,236.42	299.22	247.04	2,145.34
447.53	4.53	.....	1,931.19	.....	53.73	1,882.84
282.49	164.54	418.57	2,441.71	134.94	340.33	2,532.57
.....	.....	.....	62.00	.....	.....	.....
524.53	820.37	766.31	7,620.32	1,009.12	1,197.50	6,480.42
361.30	1,155.15	1,193.30	13,064.78	731.54	1,112.93	12,557.30
3.50	98.00	.....	.....	46.19	52.45	4,506.41
.....	780.60	.....	.....	.....	.....	2,632.51
.....	.....	.....	5,281.76	.....	342.02	18.14
.....	.....	.....	4,762.50	.....	467.45	302.24
711.00	1,070.00	1,973.00	14,237.00	557.00	1,851.00	9,187.00
.....	.....	.....	320.00	.....	.....	.....
11,643.07	20,286.69	36,288.07	274,019.35	10,446.52	26,530.22	133,712.96
2,718.09	4,180.04	5,359.29	28,196.13	5,646.63	6,780.72	22,154.40
.....	.....	.....	.....	.....	.....	.....
173	400	295	2,253	200	309	1,525
54	83	83	279	62	93	211
7	13	16	56	.....	14	41
234	496	394	2,588	262	416	1,777



## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Warton	Williamsburg	Winchester	Windermere
Population.....	1,916	269	1,198	124
EARNINGS	\$	\$	\$	\$
Domestic service.....	17,776.06	2,678.79	13,235.90	3,663.71
Commercial light service.....	15,658.53	2,802.45	9,411.18	2,650.84
Commercial power service.....	9,749.99	1,085.96	7,899.72	1,258.20
Municipal power.....	2,411.55			
Street lighting.....	3,178.47	665.00	1,456.00	400.00
Merchandise.....	85.22			
Miscellaneous.....	632.78	540.17	268.36	53.07
Total earnings.....	49,492.60	7,772.37	32,271.16	8,025.82
EXPENSES				
Power purchased.....	27,464.22	6,191.50	21,400.48	3,128.75
Substation operation.....				
Substation maintenance.....				
Distribution system, operation and maintenance.....	3,645.69	53.58	616.38	406.56
Line transformer maintenance.....	29.00		33.83	104.96
Meter maintenance.....	812.41	218.55	383.40	105.86
Consumers' premises expenses.....				36.20
Street lighting, operation and maintenance.....	452.16	47.98	184.46	60.45
Promotion of business.....				
Billing and collecting.....	1,315.35	349.26	1,285.83	290.85
General office, salaries and expenses.....	1,474.83	484.50	522.75	133.13
Undistributed expenses.....	360.02			
Truck operation and maintenance.....	1,071.52			
Interest.....	145.32			
Sinking fund and principal payments on debentures.....	2,858.23			
Depreciation.....	1,825.00	431.00	1,426.00	674.00
Other reserves.....				
Total operating costs and fixed charges.....	41,453.75	7,776.37	25,853.13	4,940.76
Net surplus.....	8,038.85		6,418.03	3,085.06
Net loss.....		4.00		
NUMBER OF CUSTOMERS				
Domestic service.....	570	96	368	91
Commercial light service.....	134	38	93	14
Power service.....	23	2	5	2
Total.....	727	136	466	107

## Utilities for Year Ended December 31, 1952

Windsor	Wingham	Woodbridge	Woodstock	Woodville	Wyoming
125,760	2,683	1,799	15,834	385	777
\$	\$	\$	\$	\$	\$
1,335,640.65	38,076.55	21,703.15	209,371.80	4,460.13	5,952.23
844,357.02	20,968.44	10,450.75	111,069.54	2,044.10	3,525.72
1,494,130.85	24,234.65	31,507.30	184,643.22	878.23	5,632.97
40,645.79	1,926.91	2,931.82	8,445.48		
151,046.67	3,934.24	1,437.99	12,908.57	775.16	980.00
14,348.77					
33,979.62	1,166.12	114.99	3,939.14	183.17	68.86
3,914,149.37	90,306.91	68,146.00	530,377.75	8,340.79	16,159.78
*2,268,405.74	45,250.98	52,835.84	325,676.48	5,399.99	8,682.01
87,147.61	3,066.98		6,237.96		
23,614.30			1,387.35		
83,944.09	4,156.95	1,766.84	24,572.28	625.51	311.01
20,331.16	10.91	98.37	973.88	101.44	9.75
15,869.50	1,103.49	5.36	8,684.15	166.09	50.71
98,352.44	5,345.57	7.43	16,033.52	24.81	
66,323.01	648.47	563.20	1,961.61	149.09	60.67
7,202.71	430.67		209.20		
127,288.45	3,000.50	2,078.11	13,942.36	553.88	1,008.58
99,251.68	4,887.64	1,484.83	16,187.22	240.44	236.10
48,071.08	765.08		5,105.71		6.00
13,631.33	1,395.79		2,462.21		
19,012.79			5,261.04	10.87	79.28
			14,375.59		
227,023.00	5,534.00	2,065.00	27,079.00	342.00	891.00
3,205,468.89	75,597.03	60,904.98	470,149.56	7,614.12	11,335.11
708,680.48	14,709.88	7,241.02	60,228.19	726.67	4,824.67
30,600	769	465	4,626	132	217
4,080	167	82	633	32	45
649	29	15	116	2	5
35,329	965	562	5,375	166	267

\* Includes 1952 cost adjustment.

## Operating Reports of Municipal Electrical

## SOUTHERN ONTARIO SYSTEM—Concluded

## NORTHERN

Municipality.....	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM	Cache Bay
Population.....	98,915	534		864
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	1,103,677.38	8,362.90	33,733,137.96	6,296.68
Commercial light service.....	281,003.63	5,917.17	17,864,163.83	2,543.60
Commercial power service.....	352,076.46	324.78	26,779,309.46	16,253.22
Municipal power.....	7,803.01	275.74	3,045,992.76	
Street lighting.....	61,331.22	966.00	2,874,810.67	837.00
Merchandise.....			95,048.85	
Miscellaneous.....	4,947.21	177.10	1,192,750.01	
Total earnings.....	1,810,838.91	16,023.69	85,585,213.54	25,930.50
<b>EXPENSES</b>				
Power purchased.....	1,085,891.96	8,643.58	52,762,900.82	18,987.32
Substation operation.....	9,466.26		1,697,383.87	
Substation maintenance.....	7,900.50		811,931.55	
Distribution system, operation and maintenance.....	48,051.35	649.63	3,263,761.97	80.14
Line transformer maintenance.....	23,279.61	248.56	507,988.46	27.40
Meter maintenance.....	24,899.75	68.41	907,536.56	64.35
Consumers' premises expenses.....	34,845.56		1,502,670.65	
Street lighting, operation and main- tenance.....	22,265.85	217.64	795,679.61	95.01
Promotion of business.....			328,268.84	
Billing and collecting.....	115,199.92	583.78	2,903,535.85	642.07
General office, salaries and expenses.....	87,793.19	530.96	2,768,036.56	325.00
Undistributed expenses.....		23.07	1,313,274.08	6.36
Truck operation and maintenance.....			227,631.43	
Interest.....		109.77	926,903.78	1,631.49
Sinking fund and principal payments on debentures.....			930,937.94	2,000.00
Depreciation.....	109,142.00	710.00	5,086,153.83	890.00
Other reserves.....	4,361.40		68,711.41	
Total operating costs and fixed charges.....	1,573,097.35	11,785.40	76,803,307.21	24,749.14
Net surplus.....	237,741.56	4,238.29	8,781,906.33	1,181.36
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	27,485	203	771,081	184
Commercial light service.....	1,961	51	105,441	22
Power service.....	364	2	18,889	2
Total.....	29,810	256	895,411	208



## Utilities for Year Ended December 31, 1952

## ONTARIO PROPERTIES

Capreol 2,071	Fort William 36,888	Hearst 2,083	Larder Lake Twp. (V.A.)	Latchford 520	McGarry Imp. Dist. 2,172	Nipigon Twp. (V.A.)
\$	\$	\$	\$	\$	\$	\$
29,150.08	492,735.79	16,301.92	21,841.20	3,575.50	23,726.22	17,630.11
8,567.91	222,412.13	21,523.06	8,175.11	2,880.23	9,052.08	16,251.14
9,286.57	466,025.52	1,969.45	220.45	941.39	1,411.53	1,233.46
681.78	18,851.37	656.32	1,119.96			478.03
2,785.65	34,718.17	886.00	2,295.63	555.00	1,566.52	1,796.00
160.35						
	20,247.78					330.00
50,632.34	1,254,990.76	41,336.75	33,652.35	7,952.12	35,756.35	37,718.74
35,552.73	801,165.79	14,499.50	19,617.86	3,170.23	25,183.31	22,199.07
278.67	33,842.57	3,881.41				
	8,529.47	1,268.92				
2,860.54	26,595.13	1,923.14	2,434.32	147.30	645.24	2,807.75
202.95	2,133.87	223.04	165.20		73.50	324.81
635.01	15,689.41	583.37	519.53	37.00	213.07	991.47
40.96	20,130.23	20.05				
599.23	9,838.60	200.37	716.56	98.07	566.95	624.32
	654.82					
2,535.38	41,763.71	2,759.17	1,977.65	315.33	1,913.86	1,656.75
1,735.67	27,444.10	1,181.03	2,042.79	292.49	1,108.82	1,872.78
283.12		192.79	122.56	.84	9.73	283.60
434.73						565.57
2,192.81	27,428.76	7,712.16	634.24	744.00	530.57	
1,500.00	21,254.84		1,000.00	700.00	500.00	
1,860.00	49,164.00	1,326.00	1,429.00	445.00	1,162.00	1,563.00
50,711.80	1,085,635.30	35,770.95	30,659.71	5,950.26	31,907.05	32,889.12
	169,355.46	5,565.80	2,992.64	2,001.86	3,849.30	4,829.62
79.46						
601	9,982	456	416	114	320	428
76	1,425	142	76	25	60	101
2	201	7	5	2	1	4
679	11,608	605	497	141	381	533

## Operating Reports of Municipal Electrical

## NORTHERN ONTARIO PROPERTIES—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock Imp. Dist.	Schreiber Twp (V.A.)
Population.....	19,322	33,698	1,791	
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	222,780.18	411,517.35	12,205.15	26,220.15
Commercial light service.....	120,424.34	220,431.24	8,527.21	11,205.08
Commercial power service.....	81,790.74	503,716.44	98.46	6,111.78
Municipal power.....	5,972.28	30,024.53	538.89	
Street lighting.....	16,200.17	38,825.49	918.00	1,770.00
Merchandise.....				
Miscellaneous.....		3,161.79		
Total earnings.....	447,167.71	1,207,676.84	22,287.71	45,307.01
<b>EXPENSES</b>				
Power purchased.....	285,841.60	822,066.16	10,507.39	15,204.17
Substation operation.....	4,140.57	46,396.60		
Substation maintenance.....		22,405.91		
Distribution system, operation and maintenance.....	20,618.27	30,010.50	1,135.08	3,004.16
Line transformer maintenance.....	2,670.05	2,340.82		10.40
Meter maintenance.....	6,369.01	12,512.58	332.09	339.22
Consumers' premises expenses.....	8,464.65			
Street lighting, operation and main- tenance.....	5,510.49	8,100.39	254.28	440.25
Promotion of business.....		2,194.20		
Billing and collecting.....	28,945.84	41,708.67	1,235.05	2,752.23
General office, salaries and expenses.....	26,113.45	19,581.90	719.79	2,439.49
Undistributed expenses.....	2,210.78	1,026.80		74.25
Truck operation and maintenance.....		1,099.17		602.67
Interest.....	4,429.80		862.55	1,725.81
Sinking fund and principal payments on debentures.....			1,170.00	4,324.50
Depreciation.....	15,796.00	70,246.95	978.00	1,490.00
Other reserves.....		2,500.00		
Total operating costs and fixed charges.....	411,110.51	1,082,190.65	17,194.23	32,407.15
Net surplus.....	36,057.20	125,486.19	5,093.48	12,899.86
Net loss.....				
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	4,593	8,879	201	435
Commercial light service.....	835	1,161	23	48
Power service.....	104	157	2	2
Total.....	5,532	10,197	226	485

## Utilities for Year Ended December 31, 1952

Sioux Lookout 2,427	Sturgeon Falls 5,132	Sudbury 46,059	Terrace Bay Imp. Dist. 1,433	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
39,233.54	45,227.00	590,381.07	27,596.10	1,986,418.04	35,719,556.00
22,177.83	34,329.19	296,530.84	14,451.39	1,019,482.38	18,883,646.21
7,526.13	2,930.69	83,834.53	6,940.64	1,190,291.00	27,969,600.46
1,838.48	1,674.75	12,248.23	.....	74,084.62	3,120,077.38
6,508.75	3,000.00	61,483.00	2,605.62	176,751.00	3,051,561.67
.....	.....	.....	.....	160.35	95,209.20
410.51	.....	2,488.45	.....	26,638.53	1,219,388.54
77,695.24	87,161.63	1,046,966.12	51,593.75	4,473,825.92	90,059,039.46
42,771.56	44,532.57	634,148.14	25,152.76	2,820,600.16	55,583,500.98
.....	186.26	26,422.76	.....	115,148.84	1,812,532.71
.....	.....	22,938.04	.....	55,142.34	867,073.89
4,715.72	8,371.87	52,649.84	324.01	158,323.01	3,422,084.98
510.87	1,480.17	5,616.01	.....	15,779.09	523,767.55
717.81	1,721.23	25,210.14	256.46	66,191.75	973,728.31
.....	.....	15,640.39	.....	44,296.28	1,546,966.93
1,878.94	2,439.13	18,006.58	533.21	49,902.38	845,581.99
.....	.....	.....	.....	2,849.02	331,117.86
3,916.63	3,859.33	47,279.80	1,736.15	184,997.62	3,088,533.47
3,244.65	6,467.11	28,290.30	2,115.45	124,974.82	2,893,011.38
530.13	9,540.83	5,586.98	.....	19,868.77	1,333,142.85
1,555.31	523.43	16,668.85	.....	21,449.73	249,081.16
.....	2,245.09	10,133.07	2,614.63	62,884.98	989,788.76
.....	.....	24,310.34	3,900.00	60,659.68	991,597.62
1,601.00	4,201.00	52,809.00	2,394.00	207,354.95	5,293,508.78
.....	.....	.....	.....	2,500.00	71,211.41
61,442.62	85,568.02	985,710.24	39,026.67	4,012,923.42	80,816,230.63
16,252.62	1,593.61	61,255.88	12,567.08	460,902.50	9,242,808.83
.....	.....	.....	.....	.....	.....
697	1,083	11,439	324	40,152	811,233
114	181	1,408	31	5,728	111,169
12	17	165	1	684	19,573
823	1,281	13,012	356	46,564	941,975





**STATEMENT "C"**

**(pages 224 to 243)**

**Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1 and 3, Served by The Hydro-Electric Power Commission of Ontario for the year 1952**

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**STATEMENT "D"**

**(pages 244 to 261)**

**Customers, Revenue and Consumption for Domestic, Commercial light, and Power service in Municipalities during the year 1952**

## STATEMENT "C"

### Cost of Power to Municipalities and Rates to Customers in Municipalities, Groups 1 and 3, Served by The Hydro-Electric Power Commission of Ontario for the year 1952

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the 362 municipalities (groups 1 and 3) supplied under cost or fixed-rate contracts, or whose customers are supplied directly by the Commission. Municipalities served through the facilities of the Rural Power District are not included.

#### Cost of Power to Municipalities

The wholesale cost of the power supplied by the Commission to each municipality is a basic factor in determining retail rates to customers in the municipality. This cost figure given in column 1 represents the average cost per kilowatt supplied by the Commission to each municipality. The components of this cost are given in detail in the "Cost of Power" tables relating to the systems, which are given in Appendix II.

#### Rates to Customers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject at all times to the approval and control of the Commission." (R.S.O. 1950, Ch. 281, Sec. 104).

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1952 are given in this statement.

**Domestic Service:** Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

**Commercial Light Service:** Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.



**Water-Heater Service:** Customers using continuous electric water-heaters may purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

**Power Service:** The rate schedules for power service in statement "C" cover retail supply to power customers of the municipal utilities. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Rates for service at primary distribution voltage are usually 5 per cent lower than those given. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable.

The service charge is based on the connected load, or on the maximum demand where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within ten days.

In order to simplify billing procedure, the power demand of industrial power customers is billed by using the kilowatt rather than horsepower. However, the annual basis rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time it serves as an indication of the relative cost of power service in the various municipalities listed.

The service charge is now shown per kilowatt per month. Where special local discounts were in force, the equivalents of these discounts have been incorporated in the service charges and energy rates.

**Cost of Power to Municipalities and Rates to  
Served by The Hydro-Electric  
for the  
Prompt Payment**

Municipality	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month**	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Acton.....T	39.24	60	60	2.6	1.1	0.83
Agincourt.....	34.64	60	60	3.0	1.0	0.83
Ailsa Craig.....	42.44	60	60	2.8	1.0	0.83
Ajax.....T	37.21	60	60	4.0	1.5	0.83
Alexandria.....T	37.21	60	60	3.0	1.0	1.11
Alfred.....		60	20	5.0	3.0	
Alliston.....T	38.32	55	55	3.5	1.0	1.11
Almonte.....T	32.47	60	60	2.5	1.0	0.83
Alvinston.....	37.32	60	60	3.5	1.0	0.83
Amherstburg.....T	45.58	60	60	2.7	1.0	1.11
Ancaster Twp.—V.A.....	35.97	60	60	4.2	1.2	1.11
Apple Hill.....	33.91	60	60	4.0	1.0	1.39
Arkona.....	41.87	60	60	4.0	1.0	1.11
Arnprior.....T	36.89	60	60	2.9	0.9	0.83
Arthur.....	38.26	60	60	3.3	1.2	1.11
Athens.....	34.67	60	60	3.4	1.2	1.11
Atikokan Imp. Dist.....		60	60	4.4	*2.1	†1.67
Aurora.....T	35.85	60	60	2.6	1.0	0.83
Aylmer.....T	40.21	60	60	2.2	0.8	0.83
Ayr.....	37.66	60	60	3.0	1.1	1.11
Baden.....	36.39	60	60	3.0	1.1	0.83
Bala.....		33-66	50	3.7	1.2	1.66
Bancroft.....	48.66	60	60	4.5	1.5	1.39
Barrie.....T	31.52	60	60	2.4	0.8	0.83
Barry's Bay.....	40.67	60	60	6.0	2.0	2.78
Bath.....	34.14	60	60	4.8	1.5	2.22
Beachville.....	38.62	60	60	3.2	1.2	0.83
Beamsville.....	38.70	60	60	2.2	0.8	0.83
Beardmore Imp. Dist.....		60	60	4.4	*2.1	†1.67
Beaverton.....	41.24	60	60	2.8	1.0	†2.25
Beeton.....	41.34	45	45	4.0	1.2	1.39
Belle River.....	43.82	60	60	4.0	1.4	1.39
Belleville.....C	31.56	60	60	1.8	0.8	0.83
Blenheim.....T	43.28	60	60	2.5	0.9	1.11
Bloomfield.....	38.71	60	60	2.5	0.9	0.83
Blyth.....	40.82	60	60	2.9	1.0	1.11
Bobcaygeon.....	35.43	60	60	5.0	1.25	2.22
Bolton.....	41.39	60	60	2.9	1.0	0.83
Bothwell.....	42.60	60	60	2.6	1.0	0.83
Bowmanville.....T	32.13	60	60	3.0	1.0	0.83

\*\*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more. Where any other service charge is used it applies to either 2-wire or 3-wire service.

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.6	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.7	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	35.00	1.35	3.5	2.3	0.33
Same as Domestic						Special		
5.0	3.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	0.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.2	0.6	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.6	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.5	0.8	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.8	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.8	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	4.4	1.1	†1.67	37.00	1.35	3.8	2.5	0.33
5.0	1.6	0.4	†2.25	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.4	1.11	19.00	1.00	1.5	1.1	0.25
5.0	2.5	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.8	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.5	1.5	1.66	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.6	1.39	18.00	1.00	1.4	0.9	0.25
5.0	5.0	2.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	5.0	1.0	2.78	35.00	1.35	3.5	2.3	0.33
5.0	2.7	0.9	2.22	23.00	1.20	1.9	1.3	0.30
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.4	1.1	†1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.0	0.8	†2.25	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.11	30.00	1.20	1.7	1.2	0.30
5.0	3.4	1.1	0.83	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	1.39	17.00	1.00	1.3	0.8	0.25
5.0	2.1	0.6	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.0	1.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	2.22	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	0.8	0.83	21.00	1.20	1.6	1.0	0.30

\*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.



**Cost of Power to Municipalities and Rates to  
Served by The Hydro-Electric  
for the  
Prompt Payment**

Municipality	Annual cost to the Commission on the works to serve electric energy to municip- ality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Bradford.....	36.23	.....	45	4.2	1.0	1.39
Braeside.....	35.03	.....	50	4.0	1.3	0.83
Brampton.....T	35.04	.....	60	2.3	1.0	0.83
Brantford.....C	32.60	.....	60	2.0	1.0	0.83
Brantford Twp.—V.A.....	32.75	.....	60	3.4	1.3	1.11
Brechin.....	37.84	.....	60	4.0	1.2	1.11
Bridgeport.....	35.59	.....	60	3.0	0.9	0.83
Brigden.....	44.19	.....	60	3.0	0.9	1.11
Brighton.....T	36.53	.....	60	3.5	0.9	0.83
Brockville.....T	33.26	.....	60	2.0	1.0	0.83
Bronte.....	38.13	.....	60	2.3	1.3	0.83
Brussels.....	42.75	.....	60	3.2	1.0	1.11
Burford.....	37.15	.....	60	2.8	1.0	0.83
Burgessville.....	36.90	.....	60	4.0	1.0	1.11
Burks Falls.....	47.90	.....	50	5.0	1.5	2.50
Burlington.....T	35.92	.....			Special	
Burlington Beach or Hamilton Beach.....T		.....	60	3.5	1.1	0.83
Cache Bay.....		.....	60	6.0	2.0	1.67
Caledonia.....	37.65	.....	60	2.3	1.0	1.11
Campbellville.....	39.19	.....	60	3.0	1.3	1.11
Cannington.....	41.54	.....	60	3.2	1.0	1.11
Capreol.....T		.....	50	3.6	1.0	1.39
Cardinal.....	36.95	.....	55	2.8	1.1	1.11
Carleton Place.....T	34.04	.....	55	2.8	1.1	1.11
Casselman.....	35.81	.....	60	5.0	2.0	1.11
Cayuga.....	40.08	.....	60	3.5	1.0	1.39
Chatham.....C	35.34	.....	60	3.2	1.0	0.83
Chatsworth.....	39.06	.....	50	3.0	1.0	1.39
Chesley.....	37.17	.....	60	2.7	1.0	1.11
Chesterville.....	36.16	.....	55	2.3	0.9	0.83
Chippawa.....	33.53	.....	60	3.1	1.4	1.11
Clifford.....	40.50	.....	55	3.3	1.1	1.11
Clinton.....T	38.04	.....	60	2.5	0.8	0.83
Cobalt.....		.....	60	4.2	1.5	0.83
Cobden.....	29.96	.....	40	2.8	1.0	1.11
Cobourg.....T	38.43	.....	60	2.9	1.2	0.83
Cochrane.....T		.....	60	3.0	1.4	0.83
Colborne.....	38.84	.....	60	3.8	1.0	0.83
Coldwater.....	40.15	33-66	55	2.5	1.0	1.11
Collingwood.....T	36.23	.....	60	2.3	1.0	1.11

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.7	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	1.9	0.6	0.83	18.00	1.00	1.4	0.9	0.25
z5.0	1.7	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.5	0.8	1.11	31.00	1.35	2.9	1.9	0.33
5.0	4.5	1.5	2.50	30.00	1.35	2.8	1.8	0.33
Special				Special				
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	6.0	2.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	1.9	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.2	0.8	1.39	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	4.5	2.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.5	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.2	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.7	1.5	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.0	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.4	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	1.8	1.0	1.11	19.00	1.00	1.5	1.1	0.25

zMinimum 500 watts.

# Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
τ—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Comber.....	44.67	60	3.1	1.0	0.83	
Cookstown.....	39.35	45	4.3	1.0	1.39	
Cottage Cove Townsite.....		60	4.4	*2.1	†1.67	
Cottam.....	41.45	60	3.0	1.1	†2.25	
Courtright.....	41.15	60	3.0	1.0	0.83	
Creemore.....	38.07	50	3.1	1.1	1.11	
Dashwood.....	42.43	60	3.9	1.0	1.39	
Delaware.....	38.25	60	3.4	1.3	0.83	
Delhi.....T	38.38	60	3.2	1.0	0.83	
Deseronto.....	40.58	60	3.9	1.0	0.83	
Dorchester.....	39.39	60	2.6	1.0	0.83	
Drayton.....	39.05	55	4.0	1.3	1.11	
Dresden.....T	43.52	60	3.0	1.1	1.11	
Drumbo.....	41.11	60	3.5	1.0	1.11	
Dublin.....	41.20	60	3.5	1.1	1.11	
Dundalk.....	39.63	60	2.7	1.0	1.11	
Dundas.....T	30.98	60	2.5	1.0	0.83	
Dunnville.....T	40.71	60	2.1	0.9	0.83	
Durham.....	37.92	60	2.7	1.1	1.11	
Dutton.....	46.36	60	2.3	1.0	0.83	
East York Twp.—V.A.....	32.20	60	2.4	1.1	0.83	
Eganville.....	43.75	60	40 { 5.0 60 { 3.0 100 { 1.5	0.75	1.11	
Elk Lake Townsite.....				Special		
Elmira.....T	36.04	60	2.9	0.9	1.11	
Elmvale.....	40.59	60	2.6	1.0	0.83	
Elmwood—V.A.....	37.43	50	3.5	0.9	1.11	
Elora.....	39.40	60	3.0	1.1	1.11	
Embro.....	38.10	60	3.3	1.1	0.83	
Englehart.....				Special		
Erieau.....	44.09	60	3.7	1.0	1.11	
Erie Beach.....	43.22	60	5.3	1.5	1.67	
Erin.....	39.82	40	5.0	1.5	1.39	
Essex.....T	43.74	60	2.8	0.9	1.11	
Etobicoke Twp.—V.A.....	34.31	60	2.7	1.3	0.83	
Exeter.....T	41.41	60	2.6	1.0	0.83	
Fergus.....T	36.38	60	2.9	1.0	1.11	
Finch.....	33.57	45	3.0	1.2	1.39	
Flesherton.....	30.33	60	2.8	1.0	1.11	
Fonthill.....	35.77	60	2.8	1.0	0.83	
Forest.....	45.76	60	3.4	1.0	0.83	

\*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.



**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.7	0.8	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.8	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.4	1.1	†1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	†2.25	27.00	1.35	2.3	1.5	0.33
5.0	3.2	1.0	0.83	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30
5.0	3.4	1.1	0.83	34.00	1.35	3.4	2.2	0.33
5.0	3.0	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.1	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.8	0.6	0.83	18.50	1.00	1.5	0.9	0.25
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.6	0.83	19.00	1.00	1.5	1.1	0.25
6.0	z{6.0 3.0	1.5	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.5	Special 0.7	1.11	22.00	1.20	Special 1.7	1.2	0.30
5.0	2.2	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.7	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33
5.0	3.5	Special 0.9	1.11	38.00	x1.35	Special 4.0	2.6	0.33
5.0	4.8	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33
5.0	2.1	0.7	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.4	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	0.5	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33

†2-wire service.

‡3-wire service.

xMinimum bill \$3.00 per kw per month.

z6.0 first 50 kwh, 3.0 next 50 kwh.

**Cost of Power to Municipalities and Rates to  
Served by The Hydro-Electric  
for the  
Prompt Payment**

Municipality  c—City T—Municipality (Pop. 2,000 or more)	Annual cost to the Commission on the works to serve electric energy to municip- ality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
	\$	cents		cents	cents	\$
Forest Hill.....T	32.46	.....	60	2.5	1.1	0.83
Fort William.....C	31.36	.....	60	2.0	0.8	0.83
Frankford.....	32.85	.....	60	4.5	1.2	0.83
Galt.....C	31.30	.....	60	2.8	0.8	0.83
Georgetown.....T	39.63	.....	60	2.6	1.0	0.83
Glen Williams.....	.....	.....	60	3.0	1.1	0.83
Geraldton.....T	.....	.....	60	4.4	* { 2.1 1.1	† { 1.67 2.25
Glencoe.....	42.60	.....	60	3.0	0.9	1.11
Goderich.....T	42.96	.....	60	3.0	1.1	0.83
Grand Valley.....	44.35	.....	60	2.8	1.0	1.11
Granton.....	38.33	.....	60	3.9	1.4	1.11
Gravenhurst.....T	34.09	.....	60	1.9	0.8	1.11
Grimsby.....T	40.25	.....	60	2.2	0.8	0.83
Guelph.....C	32.06	.....	60	2.1	1.0	0.83
Hagersville.....	35.88	.....	60	2.5	1.0	0.83
Haileybury.....T	.....	.....	.....	.....	Special	.....
Hamilton.....C	32.36	.....	60	2.4	0.9	0.83
Hanover.....T	32.94	.....	55	2.4	1.0	0.83
Harriston.....	38.66	.....	60	3.0	1.0	0.83
Harrow.....	42.32	.....	45	3.3	1.2	0.83
Hastings.....	38.66	.....	60	4.2	1.0	1.11
Havelock.....	40.37	.....	60	3.6	1.5	0.83
Hawkesbury.....T	.....	.....	.....	.....	Special	.....
Hearst.....T	.....	.....	60	8.0	2.0	2.78
Hensall.....	39.33	.....	60	3.2	1.0	0.83
Hepworth.....	.....	.....	60	4.0	1.2	1.67
Hespeler.....T	32.93	.....	60	3.0	1.0	0.83
Highgate.....	46.84	.....	60	3.2	0.9	0.83
Holstein.....	40.11	.....	60	3.0	1.0	1.11
Hudson Townsite.....	.....	.....	60	4.4	* { 2.1 1.1	† { 1.67 2.25
Huntsville.....T	39.24	.....	60	2.4	1.2	1.11
Ingersoll.....T	35.79	.....	60	2.8	1.0	0.83
Iroquois.....	38.21	.....	60	2.5	1.0	0.83
Jarvis.....	40.05	.....	60	2.8	0.9	0.83
Jellicoe Townsite.....	.....	.....	60	8.6	* { 4.3 1.1	† { 1.67 2.25
Kearns Townsite.....	.....	56	40	3.5	* { 1.6 0.75	† { 1.67 2.25
Kemptville.....	35.62	.....	55	3.2	1.0	0.83
Kincardine.....T	43.19	.....	50	3.1	1.0	1.11
King Kirkland Townsite.....	.....	56	40	3.5	* { 1.6 0.75	† { 1.67 2.25
Kingston.....C	29.18	.....	50	1.8	0.8	0.83

\*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.5	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.4	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	0.8	0.83	23.00	1.20	1.9	1.3	0.30
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.6	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.4	0.8	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.4	1.3	1.11	29.00	1.35	2.6	1.7	0.33
5.0	1.5	0.6	1.11	17.00	1.00	1.3	0.8	0.25
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	1.9	0.5	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.0	0.8	0.83	19.00	1.00	1.5	1.1	0.25
		Special				Special		
z5.0	1.7	0.5	0.83	16.50	1.00	1.2	0.7	0.25
5.0	2.0	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.6	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.9	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.6	1.0	1.11	37.00	1.35	3.8	2.5	0.33
5.0	3.1	1.3	0.83	30.00	1.35	2.8	1.8	0.33
		Special				Special		
5.0	7.5	2.0	2.78	45.00	1.35	4.9	3.3	0.33
5.0	2.7	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	2.5	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.8	0.7	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
			†1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
5.0	2.2	1.1	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.2	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	8.6	1.1	†1.67	50.00	1.35	5.7	3.8	0.33
			†2.25					
			†1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
			†1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	1.5	0.7	0.83	18.00	1.00	1.4	0.9	0.25

†2-wire service.

†3-wire service.

z—Minimum 500 watts.



**Cost of Power to Municipalities and Rates to  
Served by The Hydro-Electric  
for the  
Prompt Payment**

Municipality  C—City T—Municipality (Pop. 2,000 or more)	Annual cost to the Commission on the works to serve electric energy to munici- pality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
	\$	cents		cents	cents	\$
Kingsville.....T	39.59	.....	60	2.7	1.0	0.83
Kirkfield.....	39.28	.....	50	5.0	1.2	1.66
Kirkland Lake.....	.....	.....	.....	.....	Special	.....
Kitchener.....C	32.33	.....	60	2.3	1.1	0.83
Lakefield.....	29.04	.....	55	2.8	1.0	0.83
Lambeth.....	35.90	.....	60	3.5	1.3	0.83
Lanark.....	34.90	.....	50	3.8	1.2	0.83
Lancaster.....	33.62	.....	60	3.0	1.0	0.83
Larder Lake Twp.—V.A.....	.....	.....	.....	.....	Special	.....
La Salle.....	44.29	.....	60	4.2	1.4	1.67
Latchford.....	.....	.....	60	5.0	2.0	1.67
Leamington.....T	41.48	.....	60	2.3	0.9	1.11
Lindsay.....T	34.27	.....	60	2.3	1.0	0.83
Listowel.....T	39.09	.....	60	2.6	1.0	0.83
London.....C	34.64	.....	60	2.4	0.9	0.83
London Twp.—V.A.....	34.68	.....	60	3.2	1.3	1.11
Long Branch.....T	34.10	.....	60	2.2	0.8	0.83
L'Orignal.....	.....	.....	.....	.....	Special	.....
Lucan.....	44.68	.....	60	3.2	1.1	0.83
Lucknow.....	42.52	.....	55	2.7	1.0	1.39
Lynden.....	37.23	.....	60	3.0	1.0	0.83
Madoc.....	37.54	.....	60	2.9	1.2	0.83
Magnetawan.....	47.54	.....	60	6.0	2.0	3.60
Markdale.....	38.85	.....	60	2.0	1.0	0.83
Markham.....	39.79	.....	60	2.8	1.0	0.83
Marmora.....	40.71	.....	60	3.6	1.0	0.83
Martintown.....	31.55	.....	50	3.0	1.0	1.11
Massey.....	.....	.....	.....	.....	Special	.....
Matachewan Twp.....	.....	.....	50	4.5	1.0	1.11
Matheson.....	.....	56	40	3.5	*1.6 0.75	†1.67 2.25
Maxville.....	35.99	.....	55	3.1	1.0	0.83
McGarry Imp. Dist.....	.....	.....	.....	.....	Special	.....
Meaford.....T	38.69	.....	60	2.6	1.0	0.83
Merlin.....	42.43	.....	60	3.1	1.0	0.83
Merrickville.....	30.28	.....	60	3.0	1.3	1.11
Merritton.....T	32.20	.....	60	2.8	1.2	0.83
Midland.....T	33.59	.....	60	2.3	0.8	0.83
Mildmay.....	36.64	.....	50	2.8	1.0	1.39
Millbrook.....	37.44	.....	60	4.6	1.0	0.83
Milton.....T	36.03	.....	60	2.8	1.1	0.83

\*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.7	0.83	23.00	1.20	1.9	1.3	0.30
5.0	4.5	1.0	1.66	39.00	1.35	4.1	2.7	0.33
5.0	2.1	Special 0.8	0.83	21.00	1.20	Special 1.6	1.0	0.30
5.0	2.4	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.1	1.1	0.83	39.00	1.35	4.1	2.7	0.33
5.0	3.3	1.0	0.83	38.00	1.35	4.0	2.6	0.33
5.0	2.5	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	3.7	Special 1.1	1.67	31.00	1.35	Special 2.9	1.9	0.33
5.0	4.5	2.0	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.5	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.9	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.3	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.4	0.83	16.00	1.00	1.1	0.7	0.25
5.0	2.7	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.8	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.7	Special 0.6	0.83	24.00	1.20	Special 2.1	1.4	0.30
5.0	2.2	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.1	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.5	2.0	3.60	35.00	1.35	3.5	2.3	0.33
5.0	1.8	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	3.2	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.66	30.00	1.35	2.8	1.8	0.33
5.0	3.5	Special 1.0	†1.67 †2.25 †1.67 †2.25	30.00	1.35	Special 2.8	1.8	0.33
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	2.2	Special 0.8	0.83	24.00	1.20	Special 2.1	1.4	0.30
5.0	2.6	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.2	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.2	0.8	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.8	0.7	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.4	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.2	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	2.3	0.8	0.83	23.00	1.20	1.9	1.3	0.30

†2-wire service.

†3-wire service.

# Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Milverton.....	40.27	60	60	3.0	1.1	1.11
Mimico.....T	32.23	60	60	2.5	1.1	0.83
Mitchell.....T	37.63	60	60	3.3	1.2	0.83
Moorefield.....	38.02	60	60	3.2	1.0	1.39
Morrisburg.....	36.97	60	60	3.0	1.0	0.83
Mount Brydges.....	38.57	60	60	2.4	0.8	0.83
Mount Forest.....T	37.39	60	60	2.8	1.0	0.83
Napanee.....T	37.06	60	60	2.8	1.1	0.83
Neustadt.....	36.41	60	60	3.0	1.0	1.39
Newboro.....	31.68	60	60	5.0	1.5	2.22
Newburgh.....	35.07	60	60	4.3	1.2	1.39
Newbury.....	45.34	60	60	4.0	1.0	1.11
Newcastle.....	37.33	60	60	3.0	0.9	1.11
New Hamburg.....	38.67	60	60	3.0	1.1	0.83
New Liskeard.....					Special	
Newmarket.....T	33.78	60	60	2.4	0.8	0.83
New Toronto.....T	33.47	60	60	2.5	1.0	0.83
Niagara.....T	29.27	60	60	2.8	1.1	0.83
Niagara Falls.....C	28.46	60	60	1.9	0.8	1.00
Nipigon Twp.—V.A.....	29.10	60	60	2.8	1.0	1.11
North Bay.....C		60	60	2.3	1.0	0.83
North York Twp.—V.A.....	33.73	60	60	2.8	1.4	0.83
Norwich.....	39.23	60	60	2.5	0.9	0.83
Norwood.....	39.37	50	50	3.9	1.1	1.11
Oakville.....T	35.14	60	60	2.8	1.2	0.83
Oil Springs.....	47.14	60	60	2.6	0.9	1.11
Omeme.....	36.13	60	60	3.3	1.0	0.83
Orangeville.....T	42.20	55	55	2.8	1.0	1.11
Orono.....	35.42	60	60	4.5	1.0	1.11
Oshawa.....C	30.79	60	60	3.0	1.1	0.83
Ottawa.....C	26.51	33-66	60	2.0		
Otterville.....	38.81	60	60	1.0	0.5	0.83
Owen Sound.....C	32.16	60	60	2.6	0.9	0.83
Paisley.....	41.41	60	60	2.4	1.0	1.11
Paisley.....	41.41	50	50	4.0	1.0	1.39
Palmerston.....	36.89	60	60	2.6	1.0	1.11
Paris.....T	32.68	60	60	2.4	1.0	0.83
Parkhill.....	41.95	60	60	3.4	1.0	1.11
Parry Sound.....T	40.22	60	60	3.2	1.5	0.83
Penetanguishene.....T	37.49	60	60	2.4	0.9	0.83
Perth.....T	31.99	55	55	2.8	1.0	0.83



**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.6	1.0	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.8	0.9	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.8	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.5	1.5	2.22	30.00	1.35	2.8	1.8	0.33
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
Special				Special				
5.0	2.2	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	1.9	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.3	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.7	0.6	1.00	16.00	1.00	1.1	0.7	0.25
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.7	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.2	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.4	0.6	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25
5.0	4.0	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.5	c0.83	18.00	a1.00b	1.8b	1.2b	0.15b
5.0	2.2	0.5	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.8	1.11	19.00	1.00	1.5	1.1	0.25
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.5	0.83	16.00	1.00	1.1	0.7	0.25
5.0	2.7	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.7	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	0.6	0.83	17.00	1.00	1.3	0.8	0.25

a—\$1.00 per hp.

b—Local discount 15 &amp; 10%.

c—or \$1.00 per kw.

# Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality c—City T—Municipality (Pop. 2,000 or more)	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
	\$	cents		cents	cents	\$
Peterborough.....C	30.05		60	2.2	1.1	0.83
Petrolia.....T	44.68		60	3.1	1.0	0.83
Pickle Lake Landing.....			60	8.6	* { 4.3	† 1.67
Picton.....T	35.18		60	2.0	0.8	† 2.25
Plattsville.....	40.13		60	3.3	1.2	0.83
Point Edward.....	36.49		60	3.5	1.2	0.83
Port Arthur.....C	29.57		60	2.0	0.8	0.83
Port Carling.....		33-66	45	4.7	1.5	1.66
Port Colborne.....T	34.99		60	2.7	0.9	0.83
Port Credit.....T	35.35		60	2.4	1.1	0.83
Port Dalhousie.....T	36.69		60	2.9	1.1	0.83
Port Dover.....T	38.48		60	2.2	0.8	0.83
Port Elgin.....T	42.84		60	3.5	1.3	1.11
Port Hope.....T	37.78		60	2.4	1.1	0.83
Port McNicoll.....	32.68		60	3.3	1.0	0.83
Port Perry.....	39.62		50	4.0	1.2	1.11
Port Rowan.....	42.24		60	3.2	1.1	1.11
Port Stanley.....	41.87		60	2.8	0.9	1.11
Powassan.....		56	40	3.5	* { 1.6	† 1.67
Prescott.....T	36.06		60	2.9	0.75	† 2.25
Preston.....T	31.08		60	2.9	0.9	0.83
Priceville.....	43.73		60	5.0	1.5	1.67
Princeton.....	40.76		60	3.0	1.0	1.39
Queenston.....	30.89		60	2.6	1.0	0.83
Red Lake Townsite.....			60	4.4	* { 2.1	† 1.67
Red Rock Imp. Dist.....	28.69		60	3.0	1.1	† 1.67
Renfrew.....T	33.05		45	3.5	1.0	† 2.22
Richmond.....	29.78		40	4.3	1.2	0.83
Richmond Hill.....T	39.07		60	2.5	0.9	1.67
Ridgetown.....T	45.20		60	2.4	0.9	0.83
Ripley.....	42.49		55	4.8	1.0	1.67
Riverside.....T	40.95		60	3.3	1.1	1.11
Rockwood.....	40.34		60	3.0	1.1	0.83
Rodney.....	48.87		60	2.4	0.8	0.83
Rosseau.....	39.15		60	4.0	2.0	2.22
Russell.....	30.24		55	4.6	1.2	1.39
St. Catharines.....C	31.34		60	2.5	1.3	1.00
St. Clair Beach.....	41.30		60	3.6	1.2	1.11
St. George.....	38.23		60	2.5	0.9	0.83

\*2-wire service next 80 kwh, 3-wire service next 180 kwh.

†2-wire service.

‡3-wire service.

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	0.9	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.4	0.8	0.83	28.00	1.35	2.5	1.6	0.33
			†/1.67					
5.0	8.6	1.1	†2.25	50.00	1.35	5.7	3.8	0.33
5.0	1.7	0.5	0.83	18.00	1.00	1.4	0.9	0.25
5.0	3.0	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.0	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	0.8	1.66	32.00	1.35	3.1	2.0	0.33
5.0	2.4	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.3	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	1.7	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.8	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.7	0.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	0.6	1.11	26.00	b1.35	2.2	1.4	0.33
			†/1.67					
5.0	3.5	1.0	†2.25	30.00	1.35	2.8	1.8	0.33
5.0	2.6	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	1.5	1.67	33.00	1.35	3.2	2.1	0.33
5.0	2.7	0.8	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.1	0.8	0.83	24.00	1.20	2.1	1.4	0.30
			†/1.67					
5.0	4.4	1.1	†2.25	37.00	1.35	3.8	2.5	0.33
			†/1.67					
5.0	3.0	1.0	†2.22	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.5	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.0	1.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.0	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	1.9	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	4.3	0.8	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.6	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.5	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	0.5	0.83	24.00	1.20	2.1	1.4	0.30
5.0	4.0	2.0	2.22	39.00	1.35	4.1	2.7	0.33
5.0	4.3	1.0	1.39	35.00	1.35	3.5	2.3	0.33
z5.0	2.1	0.9	a1.00	21.00	1.20	1.6	1.0	0.30
5.0	3.5	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.0	0.6	0.83	22.00	1.20	1.7	1.2	0.30

†2-wire service. ‡3-wire service.

z—Minimum 500 watts. a—\$1.00 or \$1.00 per kw. b—Min. bill \$1.50 per kw per month.



# Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municip- ality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All addition- al per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
St. Jacobs.....	39.40		60	2.6	1.0	0.83
St. Mary's.....T	33.14		60	3.5	1.2	0.83
St. Thomas.....C	34.50		60	2.6	1.0	0.83
Sarnia.....C	37.31		60	3.0	1.2	0.83
Scarborough Twp.—V.A.....	33.84		60	2.6	1.1	0.83
Schreiber Twp.—V.A.....	33.42		60	3.5	1.2	1.67
Seaforth.....T	33.35		60	3.1	1.2	0.83
Shelburne.....	42.89		60	2.7	1.0	1.11
Simcoe.....T	32.88		60	2.2	0.8	0.83
Sioux Lookout.....T			60	4.0	1.5	2.00
Smith's Falls.....T	28.44		60	2.6	1.0	0.83
Smithville.....	38.28		60	3.0	0.9	0.83
Southampton.....	42.23		50	3.2	1.1	1.11
South Porcupine Townsite.....					Special	
Springfield.....	39.66		60	3.4	0.9	0.83
Stamford Twp.—V.A.....	28.04		60	3.1	1.3	1.00
Stayner.....	37.98		55	3.0	1.0	0.83
Stirling.....	31.76		60	2.5	1.0	0.83
Stoney Creek.....	35.12		60	3.5	1.1	0.83
Stouffville.....	38.28		60	2.1	0.8	0.83
Stratford.....C	33.02		60	2.6	0.9	0.83
Strathroy.....T	34.73		60	3.1	0.9	0.83
Streetsville.....	34.91		60	2.8	1.0	0.83
Sturgeon Falls.....T					Special	
Sudbury.....C			60	2.6	1.2	1.11
Sunderland.....	38.58		60	3.5	1.0	1.11
Sundridge.....	47.66		60	5.8	2.0	2.50
Sutton.....	39.07		60	2.7	1.0	1.11
Swansea.....T	32.86		60	2.4	1.1	0.83
Tara.....	40.76		60	2.8	1.2	1.11
Tavistock.....	37.35		60	2.5	0.9	0.83
Tecumseh.....T	42.12		60	3.5	1.0	1.11
Teeswater.....	43.58		60	3.0	1.0	1.11
Terrace Bay Imp. Dist.....	29.73		60	2.7	1.0	1.67
Thamesford.....	42.73		60	3.1	1.1	0.83
Thamesville.....	45.65		60	3.0	1.0	0.83
Thedford.....	45.08		60	3.6	1.0	0.83
Thornbury.....	38.38		60	3.5	1.3	1.11
Thorndale.....	38.70		60	4.1	1.2	0.83
Thornloe.....					Special	

**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Continued**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.2	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.9	0.4	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.5	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	0.7	0.83	21.00	1.20	1.6	1.0	0.30
5.0	3.0	1.2	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.5	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.5	2.0	x1.00	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.5	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.9	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	Special 0.8	0.83	30.00	1.35	Special 2.8	1.8	0.33
5.0	2.8	1.2	1.00	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.0	1.0	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	1.8	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.0	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.5	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.3	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	Special 1.2	1.11	25.00	1.35	Special 2.0	1.3	0.33
5.0	3.0	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	5.3	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.4	0.7	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.0	0.5	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.9	0.7	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.2	1.0	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	0.6	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	0.7	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.1	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.7	1.0	0.83	36.00	1.35	3.7	2.4	0.33
						Special		

x—Per 100 watts—min. \$2.00 max. \$5.00.

# Cost of Power to Municipalities and Rates to Served by The Hydro-Electric for the

Prompt Payment

Municipality	Annual cost to the Commission on the works to serve electric energy to municipality on a kilowatt basis	Domestic service				
		Service charge per month	First rate		All additional per kwh	Minimum gross monthly bill
			Number of kwh per month	Per kwh per month		
c—City						
T—Municipality (Pop. 2,000 or more)						
	\$	cents		cents	cents	\$
Thornton.....	33.67	.....	60	3.8	1.0	1.39
Thorold.....T	32.92	.....	60	2.7	1.4	1.11
Tilbury.....T	44.86	.....	60	2.3	0.9	0.83
Tillsonburg.....T	32.87	.....	60	2.6	0.9	0.83
Timmins.....T	.....	.....	.....	.....	Special	.....
Toronto.....C	32.53	.....	60	1.8	1.2	0.83
Toronto Twp.—V.A.....	33.58	.....	60	2.7	1.2	1.11
Tottenham.....	40.59	.....	50	3.5	1.0	1.39
Trafalgar Twp.—V.A.....	38.67	.....	60	3.9	1.9	x0.83
Trenton.....T	26.91	.....	60	1.8	0.8	0.83
Tweed.....	38.57	.....	50	3.8	1.0	0.83
Uxbridge.....	40.23	.....	60	3.1	1.0	1.11
Vankleek Hill.....	.....	.....	.....	.....	Special	.....
Victoria Harbour.....	42.16	.....	60	2.8	1.2	1.11
Walkerton.....T	34.37	.....	50	3.2	1.1	1.11
Wallaceburg.....T	37.45	.....	60	2.6	0.8	0.83
Wardsville.....	45.60	.....	60	3.6	0.9	1.11
Warkworth.....	35.58	.....	50	3.5	1.2	1.11
Waterdown.....	36.26	.....	60	2.6	1.0	0.83
Waterford.....	37.09	.....	60	2.3	0.9	0.83
Waterloo.....C	32.30	.....	60	2.0	0.9	0.83
Watford.....	40.13	.....	60	3.1	1.1	0.83
Waubashene—V.A.....	40.12	.....	55	3.0	1.0	1.11
Webbwood.....	.....	.....	.....	.....	Special	.....
Welland.....C	31.96	.....	60	1.9	0.8	0.83
Wellesley.....	38.61	.....	60	3.0	1.2	0.83
Wellington.....	36.15	.....	60	2.5	0.9	0.83
West Lorne.....	46.29	.....	60	2.7	0.9	1.11
Weston.....T	33.27	.....	60	2.3	1.0	0.83
Westport.....	33.37	.....	50	4.0	1.0	1.94
Wheatley.....	44.57	.....	60	2.9	1.0	0.83
Whitby.....T	32.52	.....	60	2.7	1.2	0.83
Warton.....	40.80	.....	50	2.8	0.9	1.11
Williamsburg.....	38.20	.....	60	2.0	0.8	0.83
Winchester.....	35.81	.....	60	2.3	1.0	0.83
Windermere.....	35.48	.....	60	4.0	1.5	2.22
Windsor.....C	36.67	.....	60	3.0	1.0	0.83
Wingham.....T	41.31	.....	50	3.2	1.1	1.11
Woodbridge.....T	37.04	.....	60	2.6	0.9	0.83
Woodstock.....C	32.93	.....	60	2.9	1.0	1.11
Woodville.....	41.83	.....	50	3.8	1.0	1.11
Wyoming.....	43.50	.....	60	3.4	1.0	0.83
York Twp.—V.A.....	32.29	.....	60	2.2	0.9	0.83
Zurich.....	41.62	.....	60	3.7	1.2	0.83

xUnder 10 kw 83 cents; over 10 kw \$2.22.



**Customers in Municipalities, Groups 1 and 3**  
**Power Commission of Ontario**  
**Year 1952—Concluded**

Discount 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	First 100 hrs per month per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hrs per month per kwh	Second 50 hrs per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.3	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	1.9	0.7	0.83	18.50	1.00	1.5	0.9	0.25
5.0	2.1	0.6	0.83	20.00	1.20	1.4	0.9	0.30
		Special				Special		
z7.5	1.9	0.5	0.83	21.00	{1.00 b d-c	{2.0 3.0	{1.0 1.2	{0.31 0.60
5.0	2.3	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.2	1.1	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.3	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33
		Special				Special		
5.0	2.3	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.4	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.5	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.1	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	1.8	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	1.9	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.2	1.0	1.11	33.00	1.35	3.2	2.1	0.33
		Special				Special		
5.0	1.7	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.4	0.6	1.11	26.00	1.35	2.2	1.4	0.33
5.0	1.8	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.5	1.0	1.94	39.00	1.35	4.1	2.7	0.33
5.0	2.7	0.7	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33
5.0	1.8	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33
5.0	2.5	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.6	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.2	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.0	0.8	1.11	19.00	1.00	1.5	1.1	0.25
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33
5.0	2.0	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33

b—Direct-current service charge \$1.50 per kw per month for first 7½kw plus \$1.05 per kw for all additional demand.  
 z—Minimum 500 watts.

## STATEMENT "D"

Statement "D" gives useful and interesting information about the services rendered by the municipal electrical utilities operating under cost or fixed-rate contracts with the Commission. It gives for each of the three main classes of service the revenue, number of customers, average consumption or load, and certain average unit costs. The revenue and estimated consumption resulting from the use of flat-rate water-heaters are included in the total figures given. The population given for the municipalities represented is the assessed population.

The average cost per kilowatt-hour to the customer also represents the average revenue per kilowatt-hour received by the utility. Since the revenue includes any surplus or deficit resulting from the year's operation under rates currently in effect, the average cost per kilowatt-hour should not be taken as the utility's cost of supplying one kilowatt-hour. If rates are increased to offset a recurring deficit, the average cost per kilowatt-hour may go up. An increase in consumption accompanying an increase in rates would, however, tend to stabilize the average cost. A comparison of the average costs per kilowatt-hour over a number of years will show the trend in any one municipality. The trend in all municipalities, whether served under cost or fixed-rate contracts or as local systems, can be seen by referring to the tables and graphs on pages 32 to 35.

The figures in Statement "D" should not be used to compare the cost of service in one municipality with the cost in another. For such a comparison, the rates given in Statement "C" for the municipalities compared should be applied to a given number of kilowatt-hours. It should be noted that the ratio between first and second rates for domestic and commercial light service is not uniform for all municipalities. Of two municipalities compared, therefore, the one with the lower average cost for a given number of kilowatt-hours may have the higher average cost for a different number of kilowatt-hours.

An increase in consumption is one of the main factors in reducing the average cost per unit of energy. Where energy consumption is high because of the generous use of a variety of electrical appliances, greater advantage is taken of low follow-up rates or flat-rate water-heater rates. Under these conditions, the average cost per kilowatt-hour is low. One of the features of domestic service by the Commission is the large annual consumption per customer.

Power service rates incorporate charges both for power (kilowatts of demand) and for energy (kilowatt-hours consumed). A customer is thus required to pay first for his share of the demand that the municipal electrical utility is obliged to supply, and second for the energy consumed. If the customer uses his demand for a brief time only, his total bill may be small, but the cost per kilowatt-hour will be relatively high. On the other hand, the use of

demand for a long period will increase the total bill but substantially reduce the cost per kilowatt-hour. Since the relatively small number of power customers in the various municipalities have such widely varying power demands in relation to their energy consumption, the average cost per kilowatt-hour is not shown.

For power service, as for domestic and commercial light service, the statistics in Statement "D" should be used only as a measure of the general economy of service to customers in the municipalities supplied under cost and fixed-rate contracts. For comparisons of costs between municipalities, the rates in Statement "C" should be used in conjunction with typical demands and energy consumption of customers taking similar service under comparable conditions.

For convenience, the municipalities in Statement "D" have been listed alphabetically in four classifications: (i) cities over 10,000 in population, (ii) voted areas densely populated and adjacent to cities, (iii) municipalities with population of 2,000 or more, and (iv) municipalities whose population is under 2,000.



**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the**  
**CITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Belleville.....	19,592	236,682.56	29,393,388	5,422	452	3.64	0.805
Brantford.....	37,295	358,915.73	39,162,977	9,800	333	3.05	0.916
Chatham.....	21,730	211,404.01	14,227,870	5,769	206	3.05	1.486
Fort William.....	36,888	492,735.79	71,078,798	9,982	593	4.11	0.693
Galt.....	20,801	233,310.20	22,716,209	6,005	315	3.24	1.029
Guelph.....	28,617	313,502.09	29,929,830	7,224	345	3.62	1.049
Hamilton.....	212,234	2,010,635.95	194,570,172	55,673	291	3.01	1.034
Kingston.....	43,845	471,885.82	55,604,157	11,042	420	3.56	0.849
Kitchener.....	50,363	640,153.30	61,025,818	13,479	377	3.96	1.050
London.....	97,109	1,007,359.18	107,389,789	25,670	349	3.27	0.938
Niagara Falls.....	24,158	217,343.04	26,353,925	5,964	368	3.04	0.826
North Bay.....	19,322	222,780.18	21,954,191	4,593	398	4.04	1.015
Oshawa.....	41,631	591,010.29	52,348,710	11,376	383	4.33	1.129
Ottawa.....	200,936	2,529,104.05	320,498,526	53,331	500	3.95	0.789
Owen Sound.....	16,724	196,753.10	17,160,796	4,658	307	3.52	1.147
Peterborough.....	38,392	471,277.01	50,140,377	10,256	407	3.83	0.940
Port Arthur.....	33,698	411,517.35	46,564,180	8,879	437	3.86	0.884
St. Catharines.....	38,619	409,504.03	40,369,611	10,844	310	3.15	1.016
St. Thomas.....	18,844	225,472.50	22,270,138	5,547	335	3.39	1.012
Sarnia.....	37,480	471,825.63	34,253,794	9,680	295	4.06	1.378
Stratford.....	19,302	257,963.89	26,190,523	5,328	410	4.03	0.983
Sudbury.....	46,059	590,381.07	52,344,701	11,439	381	4.30	1.128
Toronto.....	667,364	7,206,869.14	694,248,520	157,761	367	3.81	1.038
Waterloo.....	12,449	153,280.40	16,927,713	3,393	416	3.76	0.904
Welland.....	16,292	102,034.63	10,667,227	3,950	225	2.15	0.956
Windsor.....	125,760	1,335,640.65	104,882,053	30,600	286	3.64	1.273
Woodstock.....	15,834	209,371.80	19,533,959	4,626	352	3.77	1.072

**VOTED AREAS adjacent to**

Brantford Twp.....	17,866	205,431.58	15,129,657	3,505	360	4.88	1.356
East York Twp.....	63,951	803,765.98	77,703,372	17,317	374	3.87	1.034
Etobicoke Twp.....	62,685	1,001,337.78	104,610,447	19,340	451	4.31	0.957
London Twp.....	16,873	40,109.76	3,523,984	813	361	4.11	1.139
North York Twp.....	96,717	1,741,300.61	167,099,628	29,472	472	4.92	1.042
Scarborough Twp.....	63,862	703,899.56	58,831,244	16,773	292	3.50	1.196
Stamford Twp.....	20,633	265,420.62	23,958,203	5,056	395	4.37	1.106
Toronto Twp.....	30,000	389,379.63	33,881,397	7,208	392	4.50	1.149
York Twp.....	98,915	1,103,677.38	119,364,252	27,485	362	3.35	0.925

Statement D includes 327 municipalities of group 1, see page 30.

## AND CONSUMPTION

## Power service in Municipalities

Year 1952

Population 10,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
134,286.55	11,399,397	829	1,146	13.50	1.178	108,375.70	144	4,671.9	6,395
179,738.54	15,517,725	1,585	816	9.45	1.158	614,522.73	269	25,018.0	11,654
222,802.43	13,529,839	1,029	1,096	18.05	1.647	272,034.71	173	9,529.8	6,971
222,412.13	21,395,056	1,425	1,251	13.01	1.039	484,876.89	201	19,980.9	11,608
108,796.14	7,730,061	675	954	13.43	1.408	279,162.20	179	11,698.9	6,859
120,857.35	9,373,863	849	920	11.86	1.289	278,758.55	184	10,911.8	8,257
1,041,670.84	93,842,851	6,946	1,126	12.50	1.110	4,278,429.84	1,361	166,943.2	63,980
312,755.01	28,477,347	1,371	1,731	19.01	1.098	246,062.32	215	10,290.0	12,628
298,772.90	20,421,151	1,452	1,172	17.15	1.463	817,077.71	362	26,744.8	15,293
477,143.75	40,958,835	2,473	1,380	15.07	1.092	814,679.42	422	33,456.6	28,565
154,356.74	13,277,338	978	1,131	13.15	1.163	186,870.02	156	7,896.9	7,098
120,424.34	9,127,289	835	911	12.02	1.319	87,763.02	104	2,885.6	5,532
205,790.30	12,174,824	1,079	940	15.89	1.690	651,906.32	188	19,377.4	12,643
2,137,095.16	167,888,529	7,565	1,849	23.54	1.273	771,157.26	995	31,714.6	61,891
110,931.14	7,304,869	674	903	13.72	1.519	134,616.23	123	5,464.2	5,455
196,404.22	13,911,171	1,301	891	12.58	1.412	386,105.95	203	14,969.5	11,760
220,431.24	18,458,753	1,161	1,324	15.82	1.194	533,740.97	157	22,767.4	10,197
240,994.00	17,627,165	1,437	1,022	13.98	1.368	702,525.73	280	26,860.0	12,561
102,773.75	8,805,622	700	1,048	12.23	1.167	140,025.77	106	5,742.8	6,353
215,278.83	12,940,942	1,167	924	15.37	1.664	462,318.03	115	11,243.3	10,962
97,603.07	7,029,108	700	837	11.62	1.388	111,402.69	153	4,720.9	6,181
296,530.84	18,776,804	1,408	1,111	17.55	1.579	96,082.76	165	3,083.9	13,012
5,443,267.64	402,356,880	27,472	1,221	16.51	1.353	7,675,701.05	*6,302	241,116.9	191,535
59,580.17	4,331,664	343	1,052	14.48	1.376	136,567.89	94	5,099.7	3,830
83,429.22	6,747,311	615	914	11.30	1.236	284,831.31	118	10,322.4	4,683
844,357.02	50,306,218	4,080	1,027	17.25	1.678	1,534,776.64	649	48,434.4	35,329
111,069.54	7,469,902	633	983	14.62	1.487	193,088.70	116	7,424.8	5,375

\*Does not include street railway power.

## cities and predominantly urban

29,252.31	1,344,611	140	800	17.41	2.176	20,002.61	18	632.6	3,663
114,456.54	9,230,345	862	892	11.07	1.240	165,075.86	120	6,325.7	18,299
199,868.56	14,798,299	1,114	1,107	14.95	1.351	296,042.88	196	10,911.7	20,650
5,338.92	321,307	27	992	16.48	1.661	1,293.57	4	39.0	844
313,952.51	24,710,237	1,733	1,182	15.10	1.271	325,104.24	242	11,253.8	31,447
177,052.31	12,440,875	1,220	850	12.09	1.423	361,566.66	200	11,841.5	18,193
67,513.63	3,153,964	328	801	17.15	2.141	52,211.40	45	1,807.4	5,429
78,698.90	4,830,185	635	634	10.33	1.629	127,789.38	112	4,248.3	7,955
281,003.63	20,123,186	1,961	855	11.94	1.396	359,879.47	364	13,777.6	29,810

**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Av- erage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Acton . . . . .	3,020	35,152.82	3,223,442	783	343	3.74	1.090
Alexandria . . . . .	2,236	19,195.41	1,334,396	554	201	2.89	1.438
Alliston . . . . .	2,113	27,646.75	2,136,762	590	302	3.90	1.294
Almonite . . . . .	2,449	28,426.44	2,945,168	762	322	3.11	0.965
Amherstburg . . . . .	3,686	51,512.71	4,834,430	974	414	4.41	1.066
Arnprior . . . . .	4,528	45,111.59	4,070,187	1,156	293	3.25	1.108
Aurora . . . . .	3,554	53,498.04	5,258,255	1,065	411	4.19	1.017
Aylmer . . . . .	3,645	35,046.55	3,931,706	1,016	323	2.88	0.891
Barrie . . . . .	13,721	174,387.38	19,024,103	3,610	439	4.03	0.917
Blenheim . . . . .	2,598	18,940.42	1,339,912	758	147	2.08	1.414
Bowmanville . . . . .	5,431	77,590.60	6,560,285	1,728	316	3.74	1.183
Brampton . . . . .	8,945	122,299.03	11,933,813	2,407	413	4.23	1.025
Brighton . . . . .	2,027	25,478.52	2,061,376	636	270	3.34	1.236
Brockville . . . . .	12,221	138,786.00	13,884,996	3,621	319	3.19	0.999
Burlington . . . . .	6,709	101,295.80	9,088,211	1,989	381	4.24	1.113
Capreol . . . . .	2,071	29,150.08	2,236,812	601	310	4.04	1.303
Carleton Place . . . . .	4,590	48,256.57	4,210,357	1,312	267	3.06	1.146
Clinton . . . . .	2,575	34,802.64	3,552,789	797	371	3.64	0.981
Cobourg . . . . .	8,117	102,224.95	8,996,509	2,158	347	3.95	1.136
Collingwood . . . . .	7,468	75,287.34	6,215,858	2,139	242	2.93	1.211
Delhi . . . . .	2,605	30,403.00	2,349,820	848	231	2.99	1.294
Dresden . . . . .	2,140	17,130.71	935,740	618	126	2.31	1.833
Dundas . . . . .	7,235	72,159.56	6,109,325	1,988	256	3.02	1.180
Dunnville . . . . .	4,593	28,422.92	2,189,730	1,314	139	1.80	1.298
Elmira . . . . .	2,571	34,505.89	3,119,949	739	352	3.89	1.105
Essex . . . . .	2,931	25,420.50	1,881,260	816	192	2.60	1.351
Exeter . . . . .	2,609	39,652.04	3,536,724	826	357	4.00	1.120
Fergus . . . . .	3,515	46,746.05	3,935,555	979	335	3.98	1.188
Forest Hill . . . . .	16,965	313,293.59	35,130,550	4,936	593	5.29	0.892
Georgetown . . . . .	3,550	56,869.16	5,281,381	1,212	363	3.91	1.077
Goderich . . . . .	5,252	77,665.18	6,027,802	1,655	304	3.91	1.286
Gravenhurst . . . . .	3,024	32,229.29	3,515,455	971	302	2.77	0.917
Grimsby . . . . .	2,934	28,310.99	3,079,023	945	272	2.50	0.919
Hanover . . . . .	3,901	48,131.81	4,117,340	1,096	313	3.66	1.169
*Hearst . . . . .	2,083	16,301.92	335,587	456	92	4.47	4.858
Hespeler . . . . .	3,780	42,014.01	3,393,104	1,033	274	3.39	1.237
Huntsville . . . . .	3,262	40,968.32	3,708,058	897	344	3.81	1.105
Ingersoll . . . . .	6,448	68,827.88	5,509,042	1,880	244	3.05	1.250
Kincardine . . . . .	2,633	32,261.39	2,591,732	877	246	3.07	1.245
Kingsville . . . . .	2,668	30,556.89	2,417,992	878	229	2.90	1.264
Leamington . . . . .	7,552	64,201.18	5,607,951	2,168	216	2.47	1.145
Lindsay . . . . .	9,753	120,225.51	10,874,046	2,781	326	3.60	1.106
Listowel . . . . .	3,457	43,612.82	3,834,678	1,055	303	3.44	1.135
Long Branch . . . . .	8,684	92,338.52	10,893,110	2,342	388	3.29	0.848
McGarry Imp. Dist. . . . .	2,172	23,726.22	1,338,939	320	349	6.18	1.772

\*8 months' operation.



## AND CONSUMPTION

Power service in Municipalities  
1952—(Continued)

Population 2,000 or more

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
14,471.97	957,430	114	700	10.58	1.511	56,847.19	27	2,034.4	924
15,957.06	816,266	152	448	8.75	1.955	14,989.90	16	387.7	722
14,650.29	727,001	140	433	8.72	2.015	14,607.93	30	492.2	760
11,377.36	657,722	125	438	7.58	1.730	22,414.04	26	926.5	913
22,673.47	1,646,432	187	734	10.10	1.377	19,993.47	21	656.2	1,182
26,208.34	1,519,718	174	728	12.55	1.725	35,617.58	34	1,422.7	1,364
20,967.99	1,954,438	161	1,012	10.85	1.073	33,017.85	30	1,267.4	1,256
24,029.77	1,997,416	225	740	8.90	1.203	31,147.44	31	1,190.3	1,272
101,647.74	7,579,423	569	1,110	14.89	1.341	70,128.98	83	2,881.9	4,262
21,644.46	1,376,096	169	679	10.67	1.573	16,172.74	19	509.0	946
26,047.03	1,514,728	214	590	10.14	1.720	81,946.54	32	1,980.2	1,974
46,961.67	3,263,275	339	802	11.54	1.439	48,650.47	79	1,934.5	2,825
11,916.29	634,525	145	365	6.85	1.878	6,084.80	10	245.3	791
61,196.45	4,729,178	498	791	10.24	1.294	170,494.18	81	5,772.5	4,200
41,186.68	2,529,638	241	875	14.24	1.627	31,046.23	32	752.3	2,262
8,567.91	480,185	76	527	9.39	1.784	9,968.35	2	223.2	679
22,568.21	1,193,260	224	444	8.40	1.891	38,478.79	23	1,392.5	1,559
16,872.46	1,089,439	167	544	8.42	1.548	13,982.64	25	465.7	989
45,560.49	3,200,563	289	923	13.14	1.424	67,621.17	60	2,300.2	2,507
37,792.78	2,448,603	304	671	10.36	1.543	66,897.52	66	2,770.6	2,509
27,399.07	1,379,578	234	491	9.76	1.988	13,626.43	32	478.6	1,114
17,569.31	920,778	152	505	9.63	1.907	17,420.09	20	531.2	790
34,348.56	2,142,262	243	735	11.78	1.603	71,248.21	52	2,897.7	2,283
27,843.04	2,023,452	274	615	8.47	1.377	42,371.02	34	1,611.3	1,622
22,870.55	1,314,884	146	751	13.05	1.738	54,155.69	27	1,643.8	912
21,234.45	1,405,366	162	723	10.92	1.511	14,935.74	28	613.5	1,006
17,608.04	1,081,513	161	560	9.11	1.627	12,246.78	25	577.5	1,012
17,025.85	1,057,432	130	678	10.91	1.609	33,637.92	19	1,283.3	1,128
71,961.32	5,295,843	456	968	13.15	1.359	8,243.61	50	358.8	5,442
19,797.79	1,252,951	163	641	10.12	1.580	49,649.73	31	1,621.4	1,406
39,447.82	2,034,469	290	585	11.34	1.938	49,624.40	49	1,597.4	1,994
20,441.43	1,851,745	176	877	9.68	1.104	20,124.40	23	818.9	1,170
19,295.90	1,469,871	174	704	9.24	1.312	13,578.15	18	530.6	1,137
19,569.26	1,143,416	179	532	9.11	1.711	41,332.17	32	1,492.3	1,307
21,523.06	416,388	142	367	18.95	5.169	2,625.77	7	67.8	605
13,833.20	779,111	116	560	9.94	1.775	108,267.38	32	3,348.6	1,181
35,940.76	2,051,471	193	885	15.52	1.752	24,573.79	26	790.4	1,116
36,972.44	2,259,812	254	741	12.13	1.637	82,126.51	46	3,042.7	2,180
18,121.93	829,832	158	438	9.56	2.184	21,701.20	24	616.0	1,059
20,974.34	1,221,827	191	533	9.15	1.717	8,623.64	26	358.8	1,095
38,560.19	2,830,251	394	599	8.16	1.362	53,230.12	55	1,759.3	2,617
68,003.40	3,971,270	441	750	12.85	1.712	75,932.89	82	2,966.0	3,304
29,438.26	1,672,576	196	711	12.52	1.761	29,367.56	34	1,124.7	1,285
26,995.41	2,400,841	242	827	9.30	1.124	37,787.48	28	1,623.1	2,612
9,052.08	758,523	60	1,054	12.57	1.193	1,411.53	1	23.6	381

**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**  
**— MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Meaford .....	3,352	35,487.45	2,792,684	1,038	224	2.85	1.271
Merritton .....	4,909	56,139.44	5,182,658	1,313	329	3.56	1.082
Midland .....	7,480	76,350.00	7,855,780	2,099	312	3.03	0.972
Milton .....	2,560	33,759.63	3,026,914	760	332	3.70	1.115
Mimico .....	11,975	155,728.40	14,823,279	3,384	365	3.83	1.051
Mount Forest .....	2,198	24,411.78	1,863,180	657	236	3.10	1.310
Napance .....	3,863	53,147.75	4,713,051	1,133	347	3.91	1.128
Newmarket .....	5,749	66,258.99	6,951,030	1,580	367	3.49	0.953
New Toronto .....	11,236	109,395.10	11,354,752	2,436	388	3.74	0.963
Niagara .....	2,240	43,809.18	4,563,064	907	419	4.03	0.962
Oakville .....	7,101	82,509.85	7,214,496	2,078	289	3.31	1.144
Orangeville .....	3,420	38,477.75	3,133,225	976	268	3.29	1.228
Paris .....	5,337	51,631.80	4,700,827	1,440	272	2.99	1.099
Parry Sound .....	5,170	58,480.29	4,116,491	1,381	248	3.53	1.421
Penetanguishene .....	4,996	31,937.57	2,771,315	1,061	218	2.51	1.152
Perth .....	4,991	56,470.95	4,765,744	1,462	272	3.22	1.185
Petrolia .....	3,130	27,466.10	1,787,214	941	158	2.43	1.538
Pictou .....	4,103	49,432.95	5,349,210	1,361	328	3.03	0.924
Port Colborne .....	12,744	86,502.92	6,830,470	3,164	180	2.28	1.267
Port Credit .....	4,000	61,003.99	6,486,370	1,164	464	4.37	0.940
Port Dalhousie .....	2,612	47,044.58	4,709,841	944	416	4.15	0.998
Port Dover .....	2,411	23,093.84	1,927,195	1,033	155	1.86	1.200
Port Hope .....	6,400	89,544.48	8,451,326	1,961	359	3.81	1.060
Prescott .....	3,784	48,323.18	3,534,816	1,000	295	4.03	1.367
Preston .....	8,189	90,715.95	8,053,304	2,125	316	3.56	1.127
Renfrew .....	7,533	71,135.62	5,710,091	1,928	247	3.07	1.247
Richmond Hill .....	3,140	35,254.60	3,628,760	697	434	4.22	0.972
Ridgetown .....	2,280	17,368.41	1,282,715	746	143	1.94	1.357
Riverside .....	10,138	142,528.19	10,854,162	2,959	306	4.01	1.313
St. Mary's .....	4,061	69,284.43	5,268,730	1,239	354	4.66	1.316
Seaforth .....	2,151	28,494.53	2,086,370	645	270	3.68	1.363
Simcoe .....	7,138	54,271.48	4,897,564	2,112	193	2.14	1.109
Sioux Lookout .....	2,427	39,233.54	2,473,173	697	295	4.69	1.586
Smith's Falls .....	8,347	106,357.31	9,846,742	2,567	320	3.45	1.080
Strathroy .....	3,705	53,831.98	4,871,150	1,163	349	3.86	1.106
Sturgeon Falls .....	5,132	45,227.00	2,187,893	1,083	168	3.48	2.067
Swansea .....	8,250	133,978.04	13,682,196	2,502	456	4.46	0.979
Tecumseh .....	3,565	35,612.40	2,232,610	1,000	186	2.97	1.595
Thorold .....	6,705	53,748.32	5,162,631	1,734	248	2.58	1.040
Tilbury .....	2,920	21,568.72	1,739,375	808	179	2.23	1.240
Tillsonburg .....	5,387	51,225.93	4,184,556	1,645	212	2.60	1.226
Trenton .....	10,086	106,425.62	12,868,476	3,043	352	2.91	0.827
Walkerton .....	3,368	39,893.69	3,041,868	951	267	3.50	1.311
Wallaceburg .....	7,355	58,882.88	4,678,467	2,110	185	2.32	1.257
Weston .....	8,256	122,179.68	13,129,730	2,253	486	4.52	0.931
Whitby .....	7,619	80,196.38	6,948,226	1,525	380	4.38	1.154
Wingham .....	2,683	38,076.55	3,130,987	769	339	4.13	1.216

## AND CONSUMPTION

Power service in Municipalities  
1952—(Continued)

## Population 2,000 or more—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
21,365.85	1,305,421	188	579	9.47	1.637	22,818.22	28	787.0	1,254
13,787.24	748,149	96	649	11.97	1.844	367,347.04	23	12,063.5	1,432
34,063.48	2,507,682	247	846	11.49	1.358	115,774.40	60	5,017.4	2,406
15,593.65	912,395	128	594	10.15	1.709	47,577.32	22	1,372.1	910
40,879.53	2,870,207	272	879	12.52	1.424	36,505.82	46	1,315.4	3,702
17,668.57	999,972	161	518	9.15	1.767	13,375.65	21	449.6	839
39,219.01	2,213,445	241	765	13.56	1.772	23,736.32	31	906.4	1,405
31,958.36	1,932,622	237	680	11.24	1.654	36,892.16	43	1,342.0	1,860
57,758.57	4,419,150	324	1,137	14.86	1.307	332,820.21	76	11,521.6	2,836
13,556.95	892,602	114	652	9.91	1.520	3,367.97	13	131.4	1,034
60,276.33	3,263,673	332	819	15.13	1.847	79,538.88	88	3,264.2	2,498
26,846.54	1,691,040	227	621	9.86	1.588	9,585.22	33	502.8	1,236
17,059.07	1,390,296	210	552	6.77	1.226	37,010.80	33	1,753.2	1,683
36,434.50	1,649,819	249	552	12.19	2.208	14,509.08	22	460.8	1,652
17,824.44	1,163,684	156	622	9.52	1.532	25,411.91	21	898.3	1,238
30,556.74	2,034,404	240	706	10.61	1.502	26,074.17	33	1,117.0	1,735
19,655.29	1,084,600	183	494	8.95	1.812	24,703.72	59	698.5	1,183
31,620.73	2,580,326	266	808	9.91	1.225	18,110.70	41	864.3	1,668
57,618.68	3,572,308	427	697	11.24	1.613	58,275.87	53	1,944.8	3,644
23,117.90	1,512,057	152	829	12.67	1.529	20,486.32	22	647.7	1,338
10,032.37	706,913	86	685	9.72	1.419	9,750.25	12	427.0	1,042
13,138.68	927,719	178	434	6.15	1.417	8,769.59	22	367.6	1,233
35,666.37	2,362,576	263	748	11.30	1.510	86,266.53	45	2,805.3	2,269
25,912.45	1,297,230	190	569	11.36	1.997	19,965.49	26	868.8	1,216
34,451.61	2,278,533	254	748	11.30	1.511	126,194.75	68	5,300.2	2,447
30,615.70	1,941,978	299	541	8.53	1.576	69,523.22	63	2,531.4	2,290
14,547.77	865,785	120	601	10.10	1.680	5,154.96	20	308.0	837
16,889.16	1,005,938	174	482	8.09	1.678	8,821.96	27	392.4	947
20,224.19	1,316,327	146	751	11.54	1.536	19,574.93	17	627.2	3,122
25,105.57	1,129,648	207	455	10.11	2.222	40,089.54	44	1,242.2	1,490
20,144.18	997,138	123	676	13.65	2.019	16,406.51	20	678.2	788
57,270.47	4,729,097	480	821	9.94	1.211	60,867.91	77	2,413.0	2,669
22,177.83	801,500	114	586	16.21	2.767	9,364.61	12	210.2	823
51,912.49	3,732,124	357	871	12.12	1.391	46,627.09	52	1,851.9	2,976
27,182.87	1,631,061	228	596	9.94	1.668	28,877.00	42	1,112.6	1,433
34,329.19	1,250,223	181	576	15.80	2.746	4,605.44	17	296.3	1,281
31,597.92	2,043,060	147	1,158	17.91	1.547	41,591.17	28	1,470.6	2,677
13,647.90	669,071	88	634	12.92	2.040	9,410.72	8	272.8	1,096
22,438.09	1,770,838	194	761	9.64	1.267	135,336.15	37	4,328.6	1,965
16,586.66	1,002,825	164	510	8.43	1.654	29,123.04	24	1,297.7	996
46,588.10	3,122,883	352	739	11.03	1.493	43,346.32	51	1,606.4	2,048
41,821.40	3,534,610	322	915	10.82	1.183	119,120.36	64	3,994.0	3,429
27,360.48	1,415,923	185	638	12.32	1.932	16,768.56	21	530.5	1,157
42,961.25	3,018,224	362	695	9.89	1.423	218,164.50	76	7,652.2	2,548
49,789.65	3,610,680	279	1,078	14.87	1.379	117,297.56	56	4,115.1	2,588
31,738.22	1,914,543	211	756	12.53	1.658	35,329.89	41	1,217.7	1,777
20,968.44	1,101,056	167	549	10.46	1.904	26,161.56	29	743.2	965



**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**

**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Agincourt.....	1,041	17,910.82	1,724,049	311	462	4.80	1.039
Ailsa Craig.....	510	6,203.30	464,183	178	217	2.90	1.336
Alvinston.....	678	5,533.17	259,980	251	86	1.84	2.140
Ancaster Twp.....	V.A.	41,317.72	2,956,949	621	397	5.54	1.395
Apple Hill.....	464	2,384.48	109,855	84	109	2.37	2.171
Arkona.....	342	5,828.95	374,064	140	223	3.47	1.556
Arthur.....	1,052	13,059.39	767,840	335	191	3.25	1.701
Athens.....	841	8,773.14	424,360	249	142	2.94	2.067
Ayr.....	910	12,072.43	902,319	283	266	3.55	1.335
Baden.....	744	9,594.14	742,650	200	309	4.00	1.294
Bancroft.....	1,379	14,315.27	540,258	349	129	3.42	2.650
Barry's Bay.....	1,349	11,003.12	246,476	267	77	3.43	4.464
Bath.....	414	6,340.71	284,042	142	167	3.72	2.232
Beachville.....	660	8,671.63	748,208	216	290	2.36	1.159
Beamsville.....	1,794	23,007.91	2,995,278	550	454	3.49	0.769
Beaverton.....	984	14,365.37	1,118,149	366	255	3.27	1.285
Beeton.....	606	6,956.00	414,121	187	185	3.10	1.680
Belle River.....	1,487	16,182.60	702,410	486	120	2.77	2.303
Bloomfield.....	659	6,283.32	502,958	215	195	2.44	1.249
Blyth.....	684	7,943.87	578,297	233	207	2.84	1.372
Bobcaygeon.....	1,151	18,359.89	735,394	450	136	3.40	2.497
Bolton.....	908	11,257.75	1,022,887	255	334	3.68	1.101
Bothwell.....	727	5,031.17	384,840	218	147	1.92	1.306
Bradford.....	1,646	20,042.32	1,441,359	435	276	3.84	1.391
Braeside.....	470	3,615.93	186,630	122	127	2.47	1.937
Brechin.....	270	2,209.41	119,291	62	160	2.97	1.852
Bridgeport.....	1,263	13,623.53	1,157,810	312	309	3.64	1.178
Brigden.....	435	3,381.87	197,440	141	117	2.00	1.713
Bronte.....	1,109	12,044.43	758,377	372	170	2.70	1.588
Brussels.....	842	10,753.80	780,660	285	228	3.14	1.377
Burford.....	915	13,408.56	1,154,382	307	313	3.64	1.163
Burgessville.....	216	3,337.70	222,325	70	265	3.97	1.498
Burks Falls.....	866	8,917.79	326,200	237	115	3.14	2.734
Cache Bay.....	864	6,296.68	150,406	184	68	2.85	4.186
Caledonia.....	1,700	15,247.69	1,092,938	545	167	2.33	1.395
Campbellville.....	260	3,602.38	242,650	67	302	4.48	1.485
Cannington.....	911	11,309.41	806,938	312	216	3.02	1.402
Cardinal.....	1,770	19,426.82	1,494,085	481	259	3.37	1.300
Cayuga.....	716	6,788.96	377,701	234	135	2.42	1.793
Chatsworth.....	403	4,589.61	352,240	127	231	3.01	1.303

## AND CONSUMPTION

## Power service in Municipalities

1952—(Continued)

Less than 2,000 population

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus-tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus-tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,777.30	288,907	44	547	10.94	2.000	8,631.55	8	233.5	363
2,778.60	112,774	42	224	5.51	2.460	2,681.21	4	96.8	224
4,605.65	192,122	61	262	6.29	2.401	2,113.62	7	64.6	319
9,068.57	361,386	45	669	16.79	2.510	2,010.29	6	77.3	672
1,063.39	52,800	21	209	4.22	2.014	339.08	1	16.5	106
2,979.61	113,745	40	237	6.21	2.620	1,455.24	3	35.5	183
9,899.35	345,560	91	316	9.07	2.865	4,029.58	12	134.1	438
4,337.45	183,128	53	288	6.82	2.368	955.87	2	40.0	304
5,380.99	285,272	51	466	8.79	1.886	3,618.93	7	123.0	341
3,552.01	212,885	33	538	8.97	1.667	11,229.76	3	396.3	236
11,562.53	348,476	101	288	9.54	3.318	3,445.90	6	109.6	456
5,920.90	152,209	60	211	8.22	3.890	356.41	2	10.2	329
2,049.40	58,669	20	244	8.54	3.493	295.38	1	21.2	163
1,425.38	76,865	30	214	3.96	1.851	28,863.99	3	858.5	249
8,016.07	560,633	95	492	7.03	1.429	3,662.20	11	167.7	656
6,866.63	379,197	93	340	6.15	1.811	4,670.28	8	289.2	467
4,759.29	199,625	43	387	9.22	2.384	941.93	7	31.5	237
9,612.00	460,747	79	486	10.14	2.086	2,952.74	6	74.7	571
4,909.27	247,217	46	448	8.89	1.986	2,592.27	7	86.3	268
4,450.36	268,316	62	361	5.98	1.657	6,705.24	5	155.0	300
10,781.42	324,745	100	270	8.98	3.320	711.59	2	14.8	552
5,242.72	350,660	56	522	7.80	1.495	3,551.61	15	143.8	326
4,496.22	301,120	66	380	5.68	1.495	2,366.92	8	109.6	292
17,224.84	748,652	104	600	13.80	2.301	17,537.78	25	526.4	564
791.87	27,922	11	211	6.00	2.836	5,973.25	3	187.7	136
1,763.97	68,944	22	261	6.68	2.559	786.84	1	26.1	85
4,253.18	244,548	29	703	12.22	1.738	2,373.21	6	94.0	347
2,877.10	126,050	46	228	5.21	2.283	4,531.10	6	130.6	193
4,433.11	205,969	53	324	6.97	2.152	1,886.70	8	133.9	433
5,367.26	311,160	72	360	6.21	1.725	4,772.90	9	132.9	366
4,936.40	280,431	58	403	7.09	1.759	3,602.51	7	158.7	372
1,258.44	62,275	21	247	4.99	2.020	1,579.70	3	60.2	94
8,871.82	265,280	63	351	11.74	3.344	850.36	3	23.6	303
2,543.60	50,668	22	192	9.63	5.020	16,253.22	2	385.5	208
11,200.19	734,853	118	519	7.91	1.524	7,170.53	13	287.0	676
742.04	30,490	12	212	5.15	2.434	407.12	1	7.2	80
5,650.02	247,624	78	265	6.04	2.282	4,129.13	11	165.7	401
6,094.29	304,645	65	390	7.81	2.000	931.18	3	26.4	549
7,361.91	352,701	85	346	7.22	2.087	4,444.09	9	167.3	328
4,210.45	211,187	44	400	7.97	1.994	1,122.29	1	31.4	172

**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**

**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Chesley .....	1,676	21,320.49	1,731,438	550	262	3.23	1.231
Chesterville .....	1,179	9,977.17	935,752	310	251	2.68	1.066
Chippawa .....	1,720	19,309.52	1,914,426	506	315	3.18	1.009
Clifford .....	479	6,649.08	486,297	154	263	3.60	1.369
Cobden .....	814	7,443.14	585,894	255	191	2.43	1.270
Colborne .....	1,139	15,959.22	1,285,621	374	286	3.56	1.241
Coldwater .....	620	7,249.38	545,400	187	243	3.23	1.329
Comber .....	545	4,220.07	240,850	162	124	2.17	1.752
Cookstown .....	461	5,531.81	339,545	154	184	2.99	1.629
Cottam .....	564	5,479.03	370,460	176	175	2.59	1.480
Courtright .....	571	3,787.29	194,929	151	108	2.09	1.943
Creemore .....	738	8,045.94	580,820	236	205	2.84	1.385
Dashwood .....	403	6,411.44	383,321	130	246	4.11	1.671
Delaware .....	292	4,829.89	414,418	99	349	4.07	1.166
Deseronto .....	1,570	19,609.90	1,231,790	508	202	3.22	1.592
Dorchester .....	557	6,772.20	531,792	211	210	2.68	1.273
Drayton .....	538	7,807.38	412,754	195	176	3.34	1.898
Drumbo .....	308	4,991.79	348,159	122	238	3.41	1.433
Dublin .....	240	3,214.07	217,970	72	252	3.72	1.476
Dundalk .....	784	7,847.52	559,625	264	177	2.48	1.402
Durham .....	1,852	19,890.87	1,420,337	583	203	2.84	1.400
Dutton .....	820	5,614.16	397,977	253	131	1.85	1.411
Eganville .....	1,311	14,863.79	563,543	349	135	3.55	2.637
Elmvale .....	861	9,100.42	737,526	247	249	3.07	1.234
Elmwood .....	V.A.	2,735.83	169,990	100	142	2.28	1.609
Elora .....	1,360	17,233.30	1,252,924	422	247	3.40	1.377
Embro .....	459	8,288.81	629,703	158	332	4.37	1.316
Erieau .....	402	8,939.84	578,570	269	179	2.77	1.545
Erie Beach .....	59	3,010.72	75,680	123	51	2.04	3.978
Erin .....	669	10,719.42	519,495	248	175	3.60	2.063
Finch .....	380	4,716.28	344,260	127	226	3.09	1.370
Flesherton .....	454	4,774.75	342,380	152	188	2.62	1.395
Fonthill .....	1,532	20,888.50	1,969,575	445	369	3.91	1.060
Forest .....	1,800	27,917.79	2,203,760	617	298	3.77	1.265
Frankford .....	1,435	17,010.50	908,593	369	205	3.84	1.872
Glencoe .....	1,006	7,483.76	425,527	313	113	1.99	1.761
Grand Valley .....	632	7,851.17	570,410	240	198	2.73	1.376
Granton .....	277	4,132.69	229,562	90	213	3.83	1.798
Hagersville .....	1,718	14,160.15	1,022,910	501	170	2.36	1.388
Harriston .....	1,509	18,436.56	1,499,022	455	275	3.38	1.229



## AND CONSUMPTION

## Power service in Municipalities

1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
9,408.14	536,545	99	451	7.92	1.753	12,385.06	27	475.5	676
6,839.03	409,926	74	462	7.70	1.668	14,150.85	6	454.6	390
4,883.66	313,198	56	466	7.27	1.560	1,100.64	3	82.0	565
4,530.48	220,210	43	427	8.78	2.056	1,293.47	4	31.7	201
5,257.31	233,813	72	271	6.08	2.248	5,931.90	8	158.2	335
8,593.54	371,503	84	369	8.53	2.313	2,390.01	8	68.2	466
3,873.03	191,910	55	291	5.87	2.018	2,362.72	3	80.9	245
3,995.41	175,112	58	252	5.74	2.282	5,393.39	9	177.3	229
3,131.66	97,383	38	214	6.87	3.216	1,645.86	3	58.0	195
2,635.13	131,989	35	314	6.27	1.997	1,379.83	7	57.8	218
2,252.49	92,273	28	275	6.70	2.441	646.14	1	9.3	180
4,009.53	179,181	58	257	5.76	2.238	1,602.42	4	75.2	298
2,563.67	101,615	31	273	6.89	2.524	2,031.80	3	76.0	164
2,138.20	99,992	18	463	9.90	2.138	.....	.....	.....	117
7,036.07	277,045	58	398	10.11	2.540	11,438.67	16	325.0	582
1,820.08	84,267	35	201	4.34	2.160	2,253.67	3	88.5	249
4,311.08	138,305	57	202	6.30	3.119	2,064.34	5	85.9	257
2,435.37	103,104	33	260	6.15	2.365	1,473.60	2	49.1	157
2,023.19	94,734	33	239	5.11	2.138	2,012.41	2	65.5	107
6,096.61	264,648	83	266	6.12	2.304	4,717.52	9	203.1	356
15,137.68	767,484	127	504	9.93	1.972	7,427.44	17	227.6	727
4,030.69	236,403	68	290	4.94	1.705	4,324.37	11	153.9	332
10,825.39	340,843	85	334	10.61	3.176	3,279.47	9	78.0	443
5,373.83	326,800	73	373	6.13	1.644	5,192.42	10	174.5	330
1,859.64	74,423	21	295	7.38	2.499	4,261.52	3	108.4	124
7,283.05	366,190	73	418	8.31	1.988	10,703.34	8	391.1	503
2,209.64	105,588	43	205	4.28	2.088	3,233.14	4	76.8	205
4,004.54	213,060	25	710	13.35	1.880	5,455.09	4	122.4	298
222.22	6,770	4	141	4.63	3.282	.....	.....	.....	127
6,349.63	199,445	64	260	8.27	3.184	662.07	2	14.6	314
2,660.44	101,662	32	265	6.93	2.617	2,361.26	6	55.5	165
3,822.18	186,828	55	283	5.79	2.046	999.77	2	36.5	209
4,579.58	273,682	57	400	6.70	1.675	2,931.76	7	104.1	509
15,726.24	749,465	144	434	9.10	2.097	9,605.46	20	328.9	781
7,226.97	264,649	75	294	8.03	2.731	1,328.46	5	59.7	449
10,343.36	498,771	98	424	8.80	2.075	3,151.59	11	141.8	422
3,674.43	173,690	63	230	4.86	2.116	4,070.58	11	155.7	314
1,113.72	29,190	28	87	3.31	3.805	178.57	1	7.4	119
12,967.02	775,353	142	455	7.61	1.673	31,380.54	23	1,214.5	666
10,767.69	552,001	116	397	7.74	1.950	14,881.64	16	475.5	587

**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**

**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Harrow.....	1,713	27,526.00	2,051,319	477	358	4.81	1.342
Hastings.....	782	9,273.67	535,743	329	136	2.35	1.731
Havelock.....	1,257	12,488.51	625,110	340	153	3.06	1.998
Hensall.....	727	10,280.87	796,250	240	276	3.57	1.293
Highgate.....	382	2,778.39	152,640	119	107	1.95	1.822
Holstein.....	180	2,229.29	154,600	74	174	2.51	1.442
Iroquois.....	1,049	14,479.20	1,211,500	359	281	3.36	1.195
Jarvis.....	651	4,508.06	286,810	192	124	1.96	1.581
Kemptville.....	1,513	21,476.53	1,772,604	498	297	3.59	1.212
Kirkfield.....	218	2,235.76	94,835	64	123	2.91	2.358
Lakefield.....	1,792	18,608.24	1,598,051	503	265	3.08	1.164
Lambeth.....	1,210	23,831.25	1,678,199	389	360	5.11	1.419
Lanark.....	806	6,879.92	363,608	236	128	2.43	1.892
Lancaster.....	574	4,440.20	281,841	146	161	2.53	1.575
Larder Lake Twp.....	V.A.	21,841.20	1,021,505	416	205	4.38	2.138
La Salle.....	1,985	34,135.22	2,057,080	530	323	5.36	1.659
Latchford.....	520	3,575.50	95,301	114	70	2.61	3.752
Lucan.....	854	12,426.70	1,001,211	255	327	4.06	1.242
Lucknow.....	870	10,926.69	845,179	344	205	2.65	1.293
Lynden.....	435	6,026.56	487,931	134	303	3.75	1.238
Madoc.....	1,291	14,827.87	989,170	401	206	3.08	1.499
Magnetawan.....	215	3,046.02	63,590	62	85	4.09	4.790
Markdale.....	985	8,413.51	773,762	271	238	2.59	1.087
Markham.....	1,787	23,828.53	1,984,725	521	317	3.81	1.201
Marmora.....	1,154	10,725.59	657,178	323	170	2.77	1.632
Martintown.....	125	2,310.62	161,540	75	179	2.57	1.430
Maxville.....	723	6,825.43	488,607	206	198	2.76	1.397
Merlin.....	673	4,502.45	274,672	156	147	2.41	1.639
Merrickville.....	965	10,352.04	487,920	268	152	3.22	2.122
Mildmay.....	886	8,753.18	725,353	241	251	3.03	1.207
Millbrook.....	720	10,307.81	634,285	247	214	3.49	1.625
Milverton.....	1,068	13,946.12	1,011,882	324	260	3.59	1.381
Mitchell.....	1,972	32,454.79	2,465,059	640	321	4.26	1.327
Moorefield.....	281	2,871.47	188,807	86	183	2.78	1.519
Morrisburg.....	1,858	20,571.39	1,787,295	535	278	3.20	1.151
Mount Brydges.....	666	5,775.12	488,933	221	184	2.18	1.185
Neustadt.....	455	4,152.38	255,079	151	141	2.29	1.628
Newboro.....	305	3,798.26	128,757	88	122	3.60	2.950
Newburgh.....	435	5,161.85	262,230	132	166	3.26	1.968
Newbury.....	299	3,463.35	207,760	99	175	2.92	1.669

## AND CONSUMPTION

## Power service in Municipalities

1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
15,795.93	732,075	120	508	10.97	2.158	9,221.77	8	301.0	605
6,152.60	231,177	68	283	7.54	2.661	426.38	3	14.6	400
7,581.50	288,320	68	353	9.29	2.630	2,054.02	2	51.9	410
6,222.80	269,950	65	346	7.98	2.306	7,940.21	20	328.0	325
1,662.01	81,620	30	227	4.62	2.035	2,810.44	7	98.1	156
512.91	23,620	16	123	2.67	2.172	778.30	1	14.1	91
5,443.05	357,929	66	452	6.87	1.521	2,444.09	7	79.6	432
4,307.27	245,790	50	410	7.18	1.751	4,626.77	6	130.7	248
10,004.85	498,888	92	452	9.06	2.005	17,997.39	13	628.5	603
1,920.53	50,255	27	155	5.92	3.822				91
13,452.22	810,025	103	655	10.88	1.661	17,559.21	10	645.5	616
2,785.11	129,427	32	337	7.25	2.151	2,004.29	6	42.5	427
4,639.13	203,699	48	354	8.05	2.277	1,077.22	1	21.7	285
2,991.21	140,800	32	367	7.79	2.124				178
8,175.11	595,147	76	653	8.96	1.374	1,340.41	5	29.7	497
7,981.61	307,453	46	557	14.46	2.596	1,037.73	4	29.0	580
2,880.23	70,216	25	234	9.60	4.102	941.39	2	28.4	141
6,216.11	331,221	62	445	8.35	1.876	2,181.10	5	88.0	322
5,985.16	297,823	106	234	4.71	2.010	7,711.67	10	212.6	460
1,140.19	52,076	16	271	5.94	2.192	2,229.73	3	91.0	153
11,682.63	619,850	115	449	8.47	1.885	10,638.14	10	291.7	526
2,376.79	46,326	20	193	9.90	5.131	43.97	1	2.0	83
6,956.24	436,691	90	404	6.44	1.593	1,466.26	7	61.9	368
7,762.03	500,332	88	474	7.35	1.551	5,385.43	13	219.9	622
8,047.61	374,952	64	488	10.48	2.146	1,505.56	2	50.2	389
1,827.69	74,400	25	248	6.09	2.457				100
4,861.62	190,983	51	312	7.94	2.545	1,178.05	1	52.1	258
4,480.08	212,494	59	300	6.33	2.108	2,046.69	4	65.3	219
4,611.57	324,127	53	510	7.25	1.423	6,116.26	10	186.8	331
5,457.71	258,759	66	327	6.89	2.109	1,877.04	7	49.6	314
5,021.41	140,120	68	173	6.15	3.584	757.66	2	13.4	317
8,407.68	360,566	86	349	8.15	2.335	9,922.55	16	382.9	426
15,221.31	796,448	130	511	9.76	1.910	17,731.59	27	536.2	797
2,030.40	92,105	37	207	4.57	2.208	1,376.92	2	40.4	125
13,758.39	707,826	144	410	7.96	1.944	9,542.37	30	341.8	709
1,755.34	114,574	50	191	2.93	1.534	2,053.37	4	86.3	275
2,655.51	133,879	36	310	6.15	1.984	1,992.67	3	54.9	190
1,617.93	44,490	16	232	8.43	3.637				104
2,975.89	100,891	25	336	9.92	2.950	1,333.87	3	35.6	160
1,328.59	56,846	22	215	5.03	2.340	199.27	1	11.0	122



**CUSTOMERS, REVENUE**  
for Domestic, Commercial light, and  
during the Year

**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Newcastle.....	959	11,970.04	979,914	300	272	3.33	1.222
New Hamburg.....	1,759	22,475.71	1,861,081	476	326	3.93	1.206
Nipigon Twp.....	V.A.	17,630.11	1,413,900	428	275	3.43	1.246
Norwich.....	1,419	19,422.58	1,909,032	464	343	3.49	1.017
Norwood.....	1,002	11,031.44	755,398	283	222	3.25	1.460
Oil Springs.....	477	3,671.36	264,068	134	164	2.28	1.390
Omamee.....	762	8,010.36	535,650	227	197	2.94	1.495
Orono.....	594	10,620.15	631,788	245	215	3.61	1.681
Otterville.....	600	6,954.77	600,912	201	249	2.88	1.157
Paisley.....	728	8,785.63	554,950	251	184	2.92	1.583
Palmerston.....	1,614	21,231.98	1,883,130	486	323	3.64	1.127
Parkhill.....	976	15,069.14	1,132,364	359	263	3.50	1.331
Plattsville.....	416	6,669.10	440,357	144	255	3.86	1.514
Point Edward.....	1,955	20,798.55	1,247,080	516	201	3.86	1.668
Port Elgin.....	1,595	29,869.65	1,902,936	685	232	3.63	1.569
Port McNicoll.....	831	9,575.25	545,280	350	130	2.28	1.756
Port Perry.....	1,817	25,224.66	1,594,706	537	248	3.91	1.582
Port Rowan.....	792	6,065.92	306,750	256	100	1.97	1.974
Port Stanley.....	1,383	30,330.90	2,342,672	1,041	186	2.43	1.304
Priceville.....	151	1,630.66	50,064	53	79	2.56	3.257
Princeton.....	350	5,334.69	412,010	120	286	3.70	1.294
Queenston.....	331	6,152.21	653,568	112	486	4.58	.942
Red Rock Imp. Dist.....	1,791	12,205.15	944,680	201	392	5.06	1.291
Richmond.....	603	7,564.30	555,524	168	275	3.75	1.362
Ripley.....	457	6,711.34	392,928	151	217	3.70	1.708
Rockwood.....	701	9,878.14	745,510	220	282	3.74	1.326
Rodney.....	940	6,809.35	523,272	326	134	1.74	1.301
Rosseau.....	207	2,660.94	78,850	87	76	2.55	3.375
Russell.....	475	6,477.44	331,995	153	181	3.53	1.951
St. Clair Beach.....	561	9,208.80	585,690	188	260	4.08	1.572
St. George.....	646	5,896.15	483,241	199	202	2.47	1.223
St. Jacobs.....	701	8,392.25	732,665	175	349	4.00	1.146
Schreiber Twp.....	V.A.	26,220.15	1,213,729	435	232	5.02	2.160
Shelburne.....	1,292	14,040.77	1,064,970	401	221	2.92	1.318
Smithville.....	725	6,649.83	496,370	228	181	2.43	1.342
Southampton.....	1,744	23,887.35	1,716,648	805	178	2.47	1.392
Springfield.....	531	4,816.12	334,136	137	203	2.93	1.441
Stayner.....	1,273	15,352.35	1,219,423	401	253	3.19	1.259
Stirling.....	1,163	15,416.49	1,474,456	354	347	3.63	1.046
Stoney Creek.....	1,850	31,578.63	2,756,223	623	369	4.22	1.144

## AND CONSUMPTION

## Power service in Municipalities

1952—(Continued)

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus- tomers	Average of customers monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
5,628.83	337,550	48	586	9.77	1.667	8,397.00	10	246.4	358
11,537.63	622,821	118	440	8.15	1.852	13,031.01	19	456.8	613
16,251.14	1,124,965	101	928	13.41	1.444	1,711.49	4	61.2	533
9,922.81	545,606	97	469	8.52	1.819	3,577.94	11	154.9	572
6,730.82	276,287	73	315	7.69	2.436	5,232.47	5	168.2	361
2,078.76	84,769	40	177	4.33	2.446	5,731.04	33	127.5	207
3,582.18	139,390	40	290	7.46	2.570	1,801.41	6	49.6	273
3,599.48	117,956	43	229	6.98	3.052	559.69	3	52.4	291
3,138.72	183,550	52	294	5.03	1.711	880.38	9	42.0	262
5,371.17	210,645	65	270	6.89	2.550	2,430.16	7	67.1	323
10,962.24	596,663	100	497	9.14	1.839	11,401.60	21	555.1	607
8,737.50	408,267	92	370	7.91	2.138	5,971.34	12	165.2	463
3,744.77	174,061	31	468	10.07	2.152	3,911.87	2	143.9	177
8,379.61	318,080	58	457	12.04	2.634	106,314.79	14	2,774.0	588
15,200.74	683,185	151	377	8.39	2.225	7,344.87	12	240.2	848
2,090.47	85,710	32	223	5.44	2.439	39,927.45	2	1,093.0	384
10,953.77	498,456	114	358	7.87	2.198	3,783.11	10	123.6	661
5,952.57	292,129	64	380	7.75	2.039	1,063.72	5	46.5	325
11,016.70	668,422	119	468	7.71	1.648	12,558.48	16	609.2	1,176
1,039.81	35,359	12	246	7.22	2.941	.....	.....	.....	65
1,696.83	83,510	26	268	5.44	2.030	1,876.73	5	61.3	151
3,803.31	255,672	18	1,184	17.61	1.487	.....	.....	.....	130
8,527.21	478,100	23	1,732	30.89	1.783	637.35	2	15.6	226
3,405.49	149,730	27	462	10.51	2.274	274.57	1	20.7	196
3,578.48	90,378	55	137	5.42	3.959	2,697.83	3	72.1	209
3,162.46	169,844	40	354	6.59	1.862	72.00	2	3.0	262
4,471.74	240,417	78	257	4.78	1.860	3,924.03	9	155.1	413
2,169.66	65,156	17	319	10.64	3.330	.....	.....	.....	104
3,351.08	114,899	35	274	7.98	2.916	376.93	2	7.3	190
3,623.54	177,510	16	924	18.87	2.041	247.58	1	7.4	205
4,064.94	249,286	46	452	7.36	1.628	4,080.58	5	135.0	250
3,561.18	190,060	39	406	7.61	1.874	4,378.52	8	151.4	222
11,205.08	477,833	48	829	19.45	2.344	6,111.78	2	130.8	485
9,315.48	465,770	100	388	7.76	2.000	5,258.34	13	224.7	514
4,982.12	272,437	77	295	5.39	1.827	11,192.47	10	390.4	315
10,743.74	454,061	98	386	9.14	2.367	15,107.42	14	449.0	917
1,758.08	83,762	33	212	4.44	2.099	1,946.08	4	62.6	174
7,722.33	395,077	104	317	6.19	1.955	4,554.04	20	202.1	525
8,200.27	454,117	87	435	7.85	1.806	3,501.77	14	150.0	455
13,064.24	689,728	96	599	11.34	1.893	6,077.90	14	156.4	733

**CUSTOMERS, REVENUE**  
**for Domestic, Commercial light, and**  
**during the Year**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	DOMESTIC SERVICE					
		Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average monthly bill	Ave- rage cost per kwh
	No.	\$	kwh	No.	kwh	\$	cents
Stouffville.....	1,788	20,139.89	2,117,127	569	310	2.95	0.951
Streetsville.....	1,169	17,225.93	1,472,248	346	355	4.15	1.170
Sunderland.....	550	7,403.04	497,629	187	222	3.30	1.488
*Sundridge.....	640	3,123.36	77,806	190	.....	.....	.....
Sutton.....	1,228	17,951.16	1,260,476	617	170	2.42	1.424
Tara.....	490	6,374.88	416,505	180	193	2.95	1.531
Tavistock.....	1,134	14,504.22	1,466,155	347	352	3.48	0.989
Teeswater.....	850	9,080.14	644,527	274	196	2.70	1.409
Terrace Bay Imp. Dist.....	1,433	27,596.10	2,616,850	324	673	7.09	1.054
Thamesford.....	550	9,682.20	758,510	187	338	4.32	1.276
Thamesville.....	950	9,170.27	549,948	306	150	2.50	1.667
Thedford.....	604	7,239.72	450,685	212	177	2.85	1.610
Thornbury.....	1,013	14,027.68	796,160	355	187	3.29	1.762
Thorndale.....	310	5,296.10	322,281	97	277	4.55	1.643
Thornton.....	196	2,345.66	116,885	76	128	2.57	2.007
Tottenham.....	594	7,686.32	555,730	192	241	3.34	1.383
Trafalgar Twp.....	V.A.	99,724.48	6,428,282	1,372	390	6.06	1.551
Tweed.....	1,557	17,741.42	1,253,649	448	233	3.30	1.415
Uxbridge.....	1,841	24,131.66	1,809,859	581	260	3.46	1.333
Victoria Harbour.....	969	8,121.95	440,260	344	107	1.97	1.844
Wardsville.....	287	3,717.56	261,330	95	229	3.26	1.424
Warkworth.....	510	6,194.87	381,850	170	187	3.04	1.622
Waterdown.....	1,491	20,704.27	1,854,400	401	385	4.30	1.117
Waterford.....	1,695	16,061.51	1,322,985	550	200	2.43	1.215
Watford.....	1,200	16,348.16	1,200,435	370	270	3.68	1.363
Waubashene.....	V.A.	6,865.29	411,790	322	107	1.78	1.667
Wellesley.....	608	7,329.85	507,370	173	244	3.53	1.447
Wellington.....	986	10,904.15	875,106	400	182	2.27	1.246
West Lorne.....	1,038	9,214.02	694,127	295	196	2.60	1.327
Westport.....	718	7,602.25	464,680	200	194	3.17	1.636
Wheatley.....	1,047	9,869.89	680,880	309	184	2.66	1.450
Warton.....	1,916	17,776.06	1,459,910	570	213	2.60	1.218
Williamsburg.....	269	2,678.79	279,720	96	243	2.32	0.958
Winchester.....	1,198	13,235.90	1,172,246	368	265	3.00	1.129
Windermere.....	124	3,663.71	129,950	91	119	3.36	2.819
Woodbridge.....	1,799	21,703.15	1,967,892	465	353	3.89	1.103
Woodville.....	385	4,460.13	284,667	132	180	2.82	1.567
Wyoming.....	777	5,952.23	324,109	217	124	2.29	1.847
Zurich.....	534	8,362.90	498,335	203	205	3.43	1.690

\*6 months' operation.



## AND CONSUMPTION

## Power service in Municipalities

1952—(Concluded)

Less than 2,000 population—Concluded

COMMERCIAL LIGHT SERVICE						POWER SERVICE			Total customers
Revenue	Consumption	Cus-tomers	Monthly consumption per customer	Average monthly bill	Average cost per kwh	Revenue	Cus-tomers	Average of customers' monthly loads billed	
\$	kwh	No.	kwh	\$	cents	\$	No.	kw	No.
10,463.32	695,650	103	563	8.47	1.504	8,560.49	11	374.6	683
6,146.87	447,698	64	583	8.00	1.373	17,159.58	14	618.6	424
3,898.98	157,769	46	286	7.06	2.471	3,437.63	3	92.3	236
3,306.65	70,130	51	.....	.....	.....	268.77	1	5.9	242
13,565.72	722,143	136	442	8.31	1.879	4,317.41	9	114.5	762
3,869.57	164,040	52	263	6.20	2.359	2,361.94	7	65.5	239
7,467.77	455,194	108	351	5.76	1.641	10,455.39	10	381.0	465
5,022.24	238,568	70	284	5.98	2.101	6,607.33	11	205.3	355
14,451.39	773,779	31	2,080	38.84	1.867	6,940.64	1	134.0	356
4,177.69	225,184	52	361	6.70	1.855	3,020.43	5	105.8	244
8,442.29	464,151	100	387	7.04	1.819	8,769.76	14	280.0	420
5,905.68	260,848	66	329	7.46	2.267	2,629.62	5	67.2	283
6,481.12	263,860	89	247	6.07	2.456	5,877.30	14	244.2	458
1,815.74	57,170	25	191	6.05	3.168	3,032.39	3	72.7	125
872.01	39,366	13	252	5.59	2.215	84.86	1	6.9	90
3,150.29	137,023	53	215	4.95	2.299	1,902.45	8	56.6	253
12,016.00	444,026	88	420	11.38	2.706	12,644.95	16	320.0	1,476
10,961.55	451,495	98	383	9.32	2.428	12,558.64	20	349.0	566
10,410.86	451,315	128	294	6.78	2.307	9,177.98	20	367.6	729
2,122.91	96,020	38	211	4.68	2.211	296.75	1	6.3	383
2,718.01	151,900	25	506	9.06	1.791	57.44	1	2.2	121
2,982.04	87,424	55	132	4.51	3.411	948.34	2	20.3	227
5,250.14	292,630	55	443	7.95	1.795	2,605.68	10	120.8	466
7,341.39	503,145	86	488	7.11	1.457	5,778.61	13	254.1	649
9,810.45	457,413	93	410	8.79	2.144	11,356.67	10	435.8	473
2,477.48	121,140	35	288	5.90	2.045	923.40	3	26.7	360
3,730.01	204,664	54	316	5.76	1.823	2,189.34	7	75.3	234
5,062.67	270,976	83	272	5.08	1.868	6,529.80	13	269.5	496
8,015.69	411,696	83	413	8.05	1.947	20,350.48	16	593.0	394
7,067.50	298,360	62	401	9.50	2.369	.....	.....	.....	262
11,264.80	594,570	93	533	10.09	1.895	9,714.78	14	361.3	416
15,658.53	882,512	134	549	9.74	1.774	12,161.54	23	315.3	727
2,802.45	192,430	38	422	6.15	1.456	1,085.96	2	38.9	136
9,411.18	571,883	93	512	8.43	1.646	7,899.72	5	273.1	466
2,650.84	93,619	14	557	15.78	2.832	1,258.20	2	38.5	107
10,450.75	529,348	82	538	10.62	1.974	34,439.12	15	1,253.6	562
2,044.10	71,337	32	186	5.32	2.866	878.23	2	33.5	166
3,525.72	217,841	45	403	6.53	1.620	5,632.97	5	165.9	267
5,917.17	220,847	51	361	9.67	2.679	600.52	2	19.4	256



## APPENDIX I—OPERATIONS

### Output and Loads—Dependable Peak Capacity and Actual Station Output—Loads of Municipal Systems

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I.

The first two pages of tables give for each system and in total the dependable peak capacity of resources generated and purchased, the primary peak load carried and primary power demands, the energy provided by sources of generated and purchased power, and the energy delivered in wholesale quantities to three classes of customers.

Following these tables are details of the dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power. The dependable peak capacity of a source of generation is the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

The table entitled Loads of Systems in Municipalities Groups 1 and 3 records the date of first delivery of power by the Commission, frequency, December peak load, and annual energy consumption for each municipality in these two groups.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the figures given to horsepower, it may be assumed that 1 horsepower is equivalent to approximately .746 kilowatts.



## RESOURCES GENERATED AND PURCHASED

	December Dependable peak capacity		
	1951 kw	1952 kw	Increase kw
<b>SOUTHERN ONTARIO SYSTEM</b>			
Commission's generating stations			
hydro-electric .....	1,484,150	1,659,150	175,000
fuel-electric .....	202,000	444,000	242,000
Power purchased .....	703,100	687,100	16,000
Total resources .....	2,389,250	2,790,250	401,000
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Commission's generating stations			
hydro-electric .....	294,600	301,600	7,000
fuel-electric .....	300	300	
Power purchased .....			
Total resources .....	294,900	301,900	7,000
<b>NORTHWESTERN DIVISION</b>			
Commission's generating stations			
hydro-electric .....	256,500	259,800	3,300
fuel-electric .....			
Power purchased .....	1,100	1,400	300
Total resources .....	257,600	261,200	3,600

## PRIMARY LOADS CARRIED AND DEMANDS FOR PRIMARY POWER

At the time of the December potential primary peak demand

	1951 kw	1952 kw	Increase kw
<b>SOUTHERN ONTARIO SYSTEM</b>			
Primary load carried .....	2,283,654	2,765,086	481,432
Primary load cut .....	262,100	900	261,200
Primary demand .....	2,545,754	2,765,986	220,232
Estimated effect of voluntary curtailment in the supply of power to municipal and rural customers .....	84,246		84,246
Potential primary peak demand .....	2,630,000	2,765,986	135,986
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Primary load carried .....	266,078	283,958	17,880
Primary load cut .....			
Primary demand .....	266,078	283,958	17,880
<b>NORTHWESTERN DIVISION</b>			
Primary load carried .....	212,988	228,352	15,364
Primary load cut .....			
Primary demand .....	212,988	228,352	15,364

## ENERGY PROVIDED BY SOURCES OF GENERATED AND PURCHASED POWER

	1951	1952	Increase
	kwh	kwh	per cent
<b>SOUTHERN ONTARIO SYSTEM</b>			
Primary .....	14,497,779,269	15,453,074,572	6.6
Secondary .....	788,612,500	795,635,500	0.9
Total primary and secondary .....	15,286,391,769	16,248,710,072	6.3
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Primary .....	1,631,055,858	1,830,487,160	12.2
Secondary .....	151,076,285	120,004,190	20.6
Total primary and secondary .....	1,782,132,143	1,950,491,350	9.4
<b>NORTHWESTERN DIVISION</b>			
Primary .....	1,415,524,972	1,491,041,854	5.3
Secondary .....	327,403,172	284,184,726	13.2
Total primary and secondary .....	1,742,928,144	1,775,226,580	1.9

## ENERGY DELIVERED IN WHOLESALE QUANTITIES

	1951	1952	Increase
	kwh	kwh	per cent
<b>SOUTHERN ONTARIO SYSTEM</b>			
Primary			
Municipalities* .....	7,713,325,160	8,373,852,816	8.6
Direct Industrial Customers .....	4,095,512,238	4,260,305,014	4.0
Rural Power District** .....	1,039,648,198	1,169,903,858	12.5
Total .....	12,848,485,596	13,804,061,688	7.4
Secondary .....	750,783,500	763,157,300	1.6
Total primary and secondary .....	13,599,269,096	14,567,218,988	7.1
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Primary			
Municipalities* .....	213,785,924	238,438,530	11.5
Direct Industrial Customers .....	1,152,575,187	1,267,277,751	10.0
Rural Power District** .....	48,445,487	66,094,564	36.4
Total .....	1,414,806,598	1,571,810,845	11.1
Secondary .....	143,236,690	108,126,575	24.5
Total primary and secondary .....	1,558,043,288	1,679,937,420	7.8
<b>NORTHWESTERN DIVISION</b>			
Primary			
Municipalities* .....	304,290,065	340,009,721	11.7
Direct Industrial Customers .....	998,657,491	1,021,199,694	2.3
Rural Power District** .....	14,272,306	19,791,741	38.7
Total .....	1,317,219,862	1,381,001,156	4.8
Secondary .....	300,072,937	259,538,386	13.5
Total primary and secondary .....	1,617,292,799	1,640,539,542	1.4

\*Groups 1, 2, and 3 see page 30.

\*\*Municipalities, group 4 see page 30.

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT  
IN DECEMBER 1952, AND TOTAL ENERGY OUTPUT  
DURING 1952**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
<b>SOUTHERN ONTARIO SYSTEM</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>	<b>kw</b>	<b>kw</b>	<b>kwh</b>
Niagara	*Sir Adam Beck-Niagara No. 1.....	317,000	390,000	2,755,519,000
	*Ontario Power.....	135,000	139,000	1,166,132,100
	*Toronto Power.....	108,000	108,000	896,304,300
Welland Canal	*DeCew Falls.....	122,000	123,000	862,522,300
	DeCew Falls.....	28,000	34,000	204,430,800
Muskoka	Ragged Rapids.....	7,500	7,500	42,724,280
	Big Eddy.....	7,100	7,350	40,064,200
	Bala No. 1 and 2.....	350	270	2,147,600
South Muskoka	South Falls.....	4,200	4,300	26,736,645
	Trethewey Falls.....	1,600	1,700	10,502,400
	Hanna Chute.....	1,200	1,300	8,210,500
Beaver	Eugenia.....	5,400	5,160	23,602,000
Severn	Big Chute.....	4,300	4,500	25,903,000
	Wasdell Falls.....	750	880	3,292,720
Saugeen	Walkerton.....	350	355	2,142,300
	Hanover.....	250	295	1,496,064
Magnetawan	Burks Falls.....	250	145	359,000
Trent	Heely Falls.....	11,150	12,300	71,574,080
	Ranney Falls.....	8,350	8,705	50,133,280
	Meyersburg.....	5,100	5,925	34,554,490
	Sidney.....	3,350	3,600	20,631,600
	Hagues Reach.....	3,250	3,725	19,742,480
	Seymour.....	2,950	3,175	18,392,160
	Frankford.....	2,550	2,900	15,259,200
	Sills Island.....	1,550	1,635	10,003,520
Otonabee	Auburn.....	1,750	1,875	11,373,580
	Lakefield.....	1,650	1,755	7,783,770
	Fenelon Falls.....	700	700	4,957,740
Ottawa	Des Joachims.....	380,000	375,000	2,176,199,900
	Otto Holden.....	178,000	190,000	812,882,000
	Chenauux.....	120,000	118,000	706,039,900
	*Chats Falls (Ontario half).....	82,000	86,000	458,123,750
Madawaska	Stewartville.....	63,000	64,500	267,966,800
	Barrett Chute.....	42,000	40,750	232,375,700
	Calabogie.....	4,400	2,520	26,087,930
Mississippi	High Falls.....	2,450	2,800	15,502,580
	Galetta.....	800	955	2,803,200
Rideau	Merrickville.....	900	840	5,158,800
<b>Location</b>	<b>Fuel-Electric Generating Stations</b>			
Windsor	J. Clark Keith (steam).....	122,000	120,000	159,016,400
Chatham	*Canada & Dominion Sugar Co. (steam).....			318,200
Hamilton	Hamilton Beach (steam).....	10,000	10,800	2,083,200
	*Steel Co. of Canada (steam).....	6,000	2,000	20,763,000
	Westinghouse (diesel).....	2,000		23,700
Thorold	Ontario Paper (steam).....	15,000	10,800	2,868,200
Toronto	*Richard L. Hearn (steam).....	176,000	175,000	140,555,000
	Richard L. Hearn (steam).....	93,000	92,500	81,748,500
	Scarborough (steam).....	20,000	20,000	6,389,700
<b>Total.....</b>		<b>2,103,150</b>	<b>**</b>	<b>11,453,401,569</b>

\*25-cycle stations, others are 60-cycle, except as indicated.

\*\*Because the maximum 20-minute peak outputs of the various generating stations and purchased power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

The dependable peak capacity of a source of generation is the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.



**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT  
IN DECEMBER 1952, AND TOTAL ENERGY OUTPUT  
DURING 1952**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total Energy output (net)
<b>NORTHERN ONTARIO PROPERTIES</b>				
<b>NORTHEASTERN DIVISION</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>	kw	kw	kwh
Abitibi	*Abitibi Canyon.....	184,000	180,000	1,267,911,000
Mississagi	George W. Rayner.....	47,000	47,300	346,883,540
Mattagami	*Wawaitin.....	10,800	10,900	66,708,428
	*Lower Sturgeon.....	6,000	5,900	43,461,776
	*Sandy Falls.....	3,200	2,800	20,112,156
Montreal	Upper Notch.....	8,400	8,200	53,136,000
	Hound Chute.....	3,600	2,900	22,965,450
	Indian Chute.....	3,000	3,100	19,216,000
	Fountain Falls.....	2,000	2,070	13,414,730
Wanapitei	Stinson.....	5,700	5,700	30,340,425
	Coniston.....	4,100	2,280	20,930,400
	McVittie.....	2,200	2,400	13,651,905
Matabitchuan	Matabitchuan.....	8,800	8,800	55,468,240
Sturgeon	Crystal Falls.....	8,200	8,050	48,386,900
South	Nipissing.....	1,600	1,520	9,825,720
	Elliott Chute.....	1,400	1,400	5,454,400
	Bingham Chute.....	900	940	5,262,200
Kagawong	Kagawong.....	700	560	4,463,820
<b>Location</b>	<b>Fuel-Electric Generating Station</b>			
Kagawong	Kagawong (diesel portion).....	300	200	17,540
Total.....		301,900	**	2,047,610,630
<b>NORTHWESTERN DIVISION</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>			
Nipigon	Pine Portage.....	61,400	61,000	423,205,180
	Cameron Falls.....	59,200	59,000	426,321,200
	Alexander.....	50,000	52,500	333,463,600
Aguasabon	Aguasabon.....	40,000	46,000	240,031,000
Kaministiquia	Kakabeka Falls.....	25,000	26,000	174,349,700
English	Ear Falls.....	21,700	19,700	158,407,800
Albany	Rat Rapids.....	2,500	2,100	14,913,300
Total.....		259,800	**	1,770,691,780
Total generated—All systems.....		2,664,850	**	15,271,703,979
<b>SOURCES OF PURCHASED POWER</b>				
<b>SOUTHERN ONTARIO SYSTEM</b>				
	Polymer Corporation.....	22,000	21,200	5,933,600
*Canadian Niagara Power Co.....		15,000	17,000	96,612,000
	Gatineau Power Co. (25 & 60 cycle).....	254,000	295,800	1,615,801,700
*Beauharnois Light, Heat & Power Co.....		187,000	239,000	1,585,660,000
	Maclaren-Quebec Power Co. (25 & 60 cycle).....	125,000	137,200	910,989,000
*Ottawa Valley Power Co.....		82,000	86,000	461,618,750
	Miscellaneous (relatively small suppliers) (25 & 60 cycle).....	2,100	3,636	12,893,953
Total.....		687,100	**	4,689,509,003
<b>NORTHERN ONTARIO PROPERTIES</b>				
<b>NORTHEASTERN DIVISION</b>				
	Abitibi Power & Paper Co. (25 & 60 cycle).....			5,644,600
*Quebec Hydro-Electric Commission.....				2,697,610
	Miscellaneous (relatively small suppliers).....		1,938	338,010
Total.....			**	8,680,220
<b>NORTHWESTERN DIVISION</b>				
	Ontario-Minnesota Pulp & Paper Co.....	1,400	1,352	4,534,800
Total purchased—All systems.....		688,500	**	4,702,724,023
Total generated and purchased—All systems.....		3,353,350	**	19,974,428,002

## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	*Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. '13	25	2,742.6	10,502	1.2
Agincourt.....	Nov. '22	60	867.3	3,701	19.2
Ailsa Craig.....	Jan. '16	60	192.6	747	7.4
Ajax.....	Jan. '52	60	2,214.9	9,810	.....
Alexandria.....	Jan. '21	60	741.3	3,262	24.9
Alfred.....	Jun. '52	60	165.0	.....	.....
Alliston.....	Jun. '18	60	1,020.0	4,199	12.8
Almonte.....	Feb. '45	60	662.9	1,753	36.0
Alvinston.....	Apr. '22	60	195.0	642	8.4
Amherstburg.....	Feb. '19	25	1,926.0	8,930	8.9
Ancaster Twp.—V.A. .	Jan. '14	25	1,064.4	3,983	17.5
Apple Hill.....	Apr. '21	60	65.2	213	6.0
Arkona.....	Dec. '26	60	169.1	602	18.0
Arnprior.....	Jun. '29	60	2,296.0	9,508	11.5
Arthur.....	Dec. '16	60	383.3	1,525	8.5
Athens.....	Jan. '29	60	212.7	768	16.7
Aurora.....	Dec. '20	60	2,186.8	10,747	10.1
Aylmer.....	Mar. '18	25	2,230.4	9,356	13.0
Ayr.....	Jan. '15	25	423.9	1,452	8.7
Baden.....	May '12	25	403.0	2,050	1.6
Bala.....	Apr. '29	60	168.4	1,062	5.2
Bancroft.....	Mar. '50	60	206.0	384	59.5
Barrie.....	Apr. '13	60	7,871.4	35,689	8.1
Barry's Bay.....	Jan. '50	60	160.1	526	25.0
Bath.....	Nov. '31	60	108.6	401	6.4
Beachville.....	Aug. '12	25	1,019.1	5,173	1.7
Beamsville.....	Jan. '30	25	1,046.0	4,236	14.3
Beaverton.....	Nov. '14	60	450.9	1,857	4.3
Beeton.....	Aug. '18	60	230.9	801	10.1
Belle River.....	Dec. '22	25	414.6	1,752	5.7
Belleville.....	Mar. '16	60	11,985.2	58,468	5.7
Blenheim.....	Nov. '15	25	1,123.2	4,221	7.6
Bloomfield.....	Apr. '19	60	228.7	920	11.2
Blyth.....	Jul. '24	60	373.5	1,572	10.5
Bobcaygeon.....	Jul. '46	60	314.7	1,283	3.9
Bolton.....	Feb. '15	60	426.4	1,622	7.2
Bothwell.....	Sep. '15	25	280.1	906	0.7
Bowmanville.....	Mar. '16	60	4,157.7	18,274	0.8
Bradford.....	Oct. '18	60	862.3	3,659	10.6
Braeside.....	Jun. '29	60	186.6	621	6.1

\*Frequency given in this appendix is that in effect on May 31, 1953.

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent.
Brampton .....	Nov. '11	25	5,278.0	22,949	8.8
Brantford .....	Feb. '14	25	27,818.7	133,557	7.5
Brantford Twp.—V.A..	Oct. '15	25	4,916.0	20,344	14.7
Brechin .....	Jan. '15	60	63.4	193	*
Bridgeport .....	Mar. '28	25	455.9	1,712	16.5
Brigden .....	Jan. '18	60	166.9	539	6.2
Brighton .....	Mar. '16	60	792.9	3,564	5.9
Brockville .....	Apr. '15	60	8,420.3	39,065	3.6
Bronte .....	Jan. '30	60	466.9	1,563	19.2
Brussels .....	Jul. '24	60	378.0	1,659	10.8
Burford .....	Jun. '15	25	448.8	1,760	8.2
Burgessville .....	Nov. '16	25	124.3	343	9.3
Burks Falls .....	Jan. '50	60	234.0	760	14.6
Burlington .....	Jan. '30	60	3,814.0	14,503	8.4
Burlington Beach .....	Jan. '30	25 & 60	916.2	3,562	7.8
Caledonia .....	Oct. '12	25	730.0	2,848	18.9
Campbellville .....	Jan. '25	25	105.5	346	9.1
Cannington .....	Nov. '14	60	394.5	1,492	5.0
Cardinal .....	Jul. '30	60	574.8	2,185	11.5
Carleton Place .....	May '19	60	2,427.8	10,195	2.0
Casselman .....	Dec. '52	60	67.2		
Cayuga .....	Nov. '24	25	242.7	1,018	7.5
Chatham .....	Feb. '15	25	12,711.0	56,612	2.4
Chatsworth .....	Dec. '15	60	219.4	730	11.6
Chesley .....	Jul. '16	60	908.4	3,496	5.9
Chesterville .....	Apr. '14	60	669.7	3,042	17.0
Chippawa .....	Sep. '19	25	654.0	2,658	12.5
Clifford .....	May '24	60	284.5	948	8.8
Clinton .....	Mar. '14	60	1,381.0	6,592	12.8
Cobden .....	Dec. '34	60	360.6	1,171	12.9
Cobourg .....	Mar. '16	60	3,972.4	18,580	6.4
Colborne .....	Mar. '16	60	476.8	2,053	3.5
Coldwater .....	Mar. '13	60	256.6	1,020	7.4
Collingwood .....	Mar. '13	60	4,303.9	17,081	15.8
Comber .....	May '15	25	215.3	768	8.2
Cookstown .....	May '18	60	190.1	648	14.2
Cottam .....	Feb. '19	25	160.0	594	10.4
Courtright .....	Dec. '23	60	108.8	397	12.3
Creemore .....	Nov. '14	60	302.3	1,050	14.9
Dashwood .....	Sep. '17	60	175.5	567	0.6

\*Not comparable.



## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Delaware.....	Mar. '15	60	169.0	529	2.2
Delhi.....	May '38	25	1,439.0	4,859	12.8
Deseronto.....	Mar. '16	60	510.3	2,379	8.5
Dorchester.....	Dec. '14	60	245.3	863	8.0
Drayton.....	Mar. '18	60	215.7	748	6.5
Dresden.....	Apr. '15	60	748.8	3,151	0.9
Drumbo.....	Dec. '14	25	180.2	569	9.9
Dublin.....	Oct. '17	60	101.3	418	3.4
Dundalk.....	Dec. '15	60	365.9	1,264	8.6
Dundas.....	Jan. '11	25	4,140.9	16,629	11.0
Dunnville.....	Jun. '18	25	2,540.0	9,601	17.7
Durham.....	Dec. '15	60	693.7	3,064	5.3
Dutton.....	Sep. '15	25	312.0	1,132	9.0
East York Twp.—V.A..	Dec. '23	60	25,910.0	113,843	14.8
Eganville.....	Apr. '52	60	74.8	.....	.....
Elmira.....	Nov. '13	25	2,357.8	10,079	5.9
Elmvale.....	Jun. '13	60	375.3	1,534	7.7
Elmwood—V.A.....	Apr. '18	60	138.7	444	4.7
Elora.....	Nov. '14	25	697.0	2,664	3.8
Embro.....	Jan. '15	25	250.1	944	9.5
Erieau.....	Jul. '24	25	204.8	1,077	7.3
Erie Beach.....	Jul. '25	25	25.6	99	2.1
Erin.....	Jan. '45	60	245.0	850	26.0
Essex.....	Feb. '19	25	1,051.7	4,624	7.7
Etobicoke Twp.—V.A..	Aug. '17	60	36,525.8	161,673	23.9
Exeter.....	Jun. '16	60	1,468.0	5,797	6.7
Fergus.....	Nov. '14	25	2,080.6	8,554	1.8
Finch.....	Feb. '28	60	180.8	633	0.8
Flesherton.....	Dec. '15	60	188.2	660	10.0
Fonthill.....	Jun. '26	25	675.8	2,723	17.1
Forest.....	Mar. '17	60	881.4	3,977	8.5
Forest Hill.....	Jan. '38	25	10,172.0	43,822	8.8
Frankford.....	Oct. '37	60	366.5	1,391	8.1
Galt.....	May '11	25	16,280.6	64,267	10.9
Georgetown.....	Sep. '13	25	2,961.8	12,512	4.5
Glencoe.....	Aug. '20	60	328.0	1,253	0.6
Goderich.....	Feb. '14	60	2,775.9	12,816	11.5
Grand Valley.....	Dec. '16	60	321.7	1,073	2.2
Granton.....	Jul. '16	60	93.2	287	2.5
Gravenhurst.....	Nov. '15	60	1,999.6	8,481	4.4

## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Grimsby.....	Jan. '30	25	1,572.2	7,009	9.7
Guelph.....	Dec. '10	25	17,405.4	81,803	10.2
Hagersville.....	Sep. '13	25	1,426.7	4,703	10.5
Hamilton.....	Feb. '11	25 & 60	196,170.2	1,057,125	4.7
Hanover.....	Sep. '16	60	2,263.0	8,732	0.3
Harriston.....	Jul. '16	60	853.3	3,637	10.4
Harrow.....	Feb. '19	25	891.5	3,372	2.8
Hastings.....	Jun. '31	60	217.6	915	6.0
Havelock.....	Feb. '21	60	363.0	1,297	8.9
Hawkesbury.....	Jun. '52	60	1,449.0		
Hensall.....	Jan. '17	60	433.2	1,580	16.4
Hepworth.....	Apr. '30	60	90.5	286	6.4
Hespeler.....	Feb. '11	25	4,092.8	17,494	2.5
Highgate.....	Dec. '16	25	133.1	452	9.6
Holstein.....	May '16	60	74.0	262	64.5
Huntsville.....	Sep. '16	60	1,836.0	9,642	0.0
Ingersoll.....	May '11	25	4,257.8	17,866	4.8
Iroquois.....	Feb. '40	60	478.8	2,146	8.6
Jarvis.....	Feb. '24	25	264.8	1,044	8.2
Kemptville.....	Dec. '21	60	950.8	4,227	19.2
Kincardine.....	Mar. '21	60	1,283.2	5,821	5.6
Kingston.....	Dec. '17	60	25,252.8	121,766	14.2
Kingsville.....	Feb. '19	25	1,413.6	4,707	10.9
Kirkfield.....	Jun. '20	60	59.3	171	7.3
Kitchener.....	Jan. '11	25	38,805.1	184,398	10.1
Lakefield.....	Aug. '20	60	1,066.3	5,027	1.1
Lambeth.....	Apr. '15	60	597.1	2,051	25.8
Lanark.....	Sep. '21	60	195.3	675	15.0
Lancaster.....	May '21	60	146.5	461	9.7
La Salle.....	Nov. '25	25	683.8	2,697	9.1
Leamington.....	Feb. '19	25	3,383.5	15,571	6.7
Lindsay.....	Mar. '16	60	5,665.5	24,354	9.9
Listowel.....	Jun. '16	60	2,130.0	8,334	3.7
London.....	Jan. '11	60	50,441.0	266,471	7.3
London Twp.—V.A....	Sep. '17	60	1,273.9	4,294	8.9
Long Branch.....	Jan. '31	60	4,403.2	18,826	7.7
L'Orignal.....	Jun. '52	60	160.0		
Lucan.....	Feb. '15	60	440.0	1,645	9.8
Lucknow.....	Jan. '21	60	506.0	2,358	11.5
Lynden.....	Nov. '15	25	207.0	697	14.4

## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Madoc .....	Mar. '16	60	536.6	2,144	7.3
Magnetawan .....	Jul. '51	60	46.5	165	
Markdale .....	Mar. '16	60	416.0	1,530	10.4
Markham .....	Apr. '20	60	781.0	2,983	12.5
Marmora .....	Jan. '21	60	358.5	1,316	24.2
Martintown .....	May '21	60	76.5	271	7.4
Maxville .....	Feb. '21	60	248.8	825	4.1
Meaford .....	Jan. '24	60	1,459.1	6,214	16.2
Merlin .....	Dec. '22	25	187.3	636	8.9
Merrickville .....	Jul. '50	60	343.7	1,386	13.2
Merritton .....	Nov. '20	25	13,621.4	66,775	9.7
Midland .....	Jul. '11	60	5,849.0	24,892	10.9
Mildmay .....	Apr. '30	60	339.1	1,214	13.9
Millbrook .....	Mar. '16	60	252.5	998	12.0
Milton .....	Apr. '13	25	2,534.2	9,022	4.8
Milverton .....	Jun. '16	25	731.2	2,258	8.5
Mimico .....	May '12	60	5,269.0	22,351	12.7
Mitchell .....	Sep. '11	60	1,237.0	5,342	7.3
Moorefield .....	Mar. '18	60	111.6	395	9.2
Morrisburg .....	Jun. '38	60	710.0	3,576	8.1
Mount Brydges .....	Mar. '15	60	221.2	776	13.6
Mount Forest .....	Dec. '15	60	1,106.5	4,082	12.7
Napanee .....	Mar. '16	60	2,243.0	9,838	6.8
Neustadt .....	Dec. '18	60	171.2	583	24.3
Newboro .....	Dec. '48	60	54.5	195	4.3
Newburgh .....	Mar. '16	60	126.6	438	10.5
Newbury .....	Mar. '21	25	84.8	323	2.9
Newcastle .....	Mar. '16	60	518.3	1,976	22.3
New Hamburg .....	Mar. '11	25	981.5	3,503	8.4
Newmarket .....	Dec. '20	60	3,061.4	13,368	11.6
New Toronto .....	Feb. '14	60	13,836.2	66,476	3.9
Niagara .....	Aug. '19	25	1,478.8	6,814	16.5
Niagara Falls .....	Dec. '15	25	15,023.3	70,363	8.9
North York Twp.—V.A.	Nov. '23	60	55,429.7	233,670	26.5
Norwich .....	May '12	25	834.0	2,923	7.2
Norwood .....	Feb. '21	60	343.6	1,504	12.2
Oakville .....	Jan. '30	60	4,372.2	18,521	3.2
Oil Springs .....	Feb. '18	60	195.1	1,065	6.5
Omeme .....	Jan. '18	60	247.4	946	9.0
Orangeville .....	Jul. '16	60	1,612.6	6,563	13.2



LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Orono.....	Mar. '16	60	248.0	864	17.4
Oshawa.....	Mar. '16	60	30,581.6	147,668	5.7
Ottawa.....	Jan. '14	60	77,413.6	321,080	12.1
Otterville.....	Feb. '16	25	235.0	939	12.0
Owen Sound.....	Dec. '15	60	9,382.1	38,932	6.5
Paisley.....	Sep. '23	60	290.8	1,056	3.9
Palmerston.....	Jul. '16	60	831.7	3,931	4.7
Paris.....	Feb. '14	25	2,736.9	11,086	4.8
Parkhill.....	May '20	60	488.0	1,996	4.1
Parry Sound.....	Aug. '46	60	763.3	2,888	25.0
Penetanguishene.....	Jul. '11	60	1,664.4	7,439	9.2
Perth.....	Feb. '19	60	2,505.2	10,192	6.6
Peterborough.....	Mar. '13	60	25,430.0	121,014	6.1
Petrolia.....	May '16	60	1,214.0	5,666	5.8
Pictou.....	Apr. '19	60	2,297.4	10,609	9.6
Plattsville.....	Dec. '14	25	303.2	925	4.8
Point Edward.....	Nov. '16	60	2,709.0	9,593	14.5
Port Carling.....	Apr. '29	60	222.0	1,353	10.7
Port Colborne.....	Mar. '20	25	4,234.0	19,809	15.3
Port Credit.....	Aug. '12	60	2,556.0	11,308	25.4
Port Dalhousie.....	Nov. '12	25	1,399.3	6,902	8.2
Port Dover.....	Dec. '21	25	1,084.4	4,315	11.4
Port Elgin.....	Apr. '30	60	741.1	3,276	0.6
Port Hope.....	Mar. '16	60	4,728.5	21,658	2.4
Port McNicoll.....	Jan. '15	60	1,670.0	2,814	97.8*
Port Perry.....	Sep. '22	60	694.7	2,631	13.1
Port Rowan.....	Nov. '26	25	207.2	716	5.2
Port Stanley.....	Apr. '12	25	716.5	3,931	0.5
Prescott.....	Dec. '13	60	1,729.4	7,157	10.6
Preston.....	Jan. '11	25	6,613.5	23,814	30.9
Priceville.....	Mar. '21	60	18.7	67	0.1
Princeton.....	Jan. '15	25	166.3	667	5.3
Queenston.....	Mar. '21	25	263.0	1,055	11.8
Renfrew.....	Dec. '44	60	2,147.8	7,501	45.6
Richmond.....	Aug. '28	60	254.4	814	25.0
Richmond Hill.....	Jun. '25	60	1,369.6	5,314	13.7
Ridgetown.....	Dec. '15	25	857.9	3,242	3.0
Ripley.....	Jan. '21	60	188.3	664	14.5
Riverside.....	Nov. '22	25	3,445.2	14,623	13.0
Rockwood.....	Sep. '13	25	292.3	1,071	7.3

\*This is not a normal increase. During 1951 the municipality took over a power customer formerly supplied by H-E.P.C.

## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Rodney .....	Feb. '17	25	312.0	1,151	12.9
Rosseau .....	Jul. '31	60	39.0	182	2.5
Russell .....	Feb. '26	60	151.6	548	10.0
St. Catharines .....	Apr. '14	25 & 60	33,656.8	157,046	0.5
St. Clair Beach .....	Nov. '22	60	231.2	857	13.1
St. George .....	Sep. '15	25	290.2	1,010	1.8
St. Jacobs .....	Sep. '17	25	379.9	1,528	18.9
St. Mary's .....	May '11	60	2,388.0	10,920	7.3
St. Thomas .....	Apr. '11	25	10,095.5	51,202	0.2
Sarnia .....	Dec. '16	60	21,044.9	110,205	22.0
Scarborough Twp.—V.A.	Aug. '18	60	35,457.5	129,405	59.0
Seaforth .....	Nov. '11	60	1,216.5	4,722	1.5
Shelburne .....	Jul. '16	60	580.2	2,248	7.7
Simcoe .....	Apr. '15	25	4,341.8	18,002	16.1
Smith's Falls .....	Sep. '18	60	4,874.4	20,324	9.6
Smithville .....	Jan. '30	25	397.7	1,405	1.5
Southampton .....	Apr. '30	60	786.7	3,522	4.8
Springfield .....	Aug. '17	25	142.6	577	21.8
Stamford Twp.—V.A.	Nov. '16	25	8,436.1	34,135	19.0
Stayner .....	Oct. '13	60	595.2	2,181	16.6
Stirling .....	Mar. '16	60	645.3	2,369	5.6
Stoney Creek .....	Jan. '30	25	1,140.3	4,389	15.8
Stouffville .....	Sep. '23	60	985.6	3,424	10.8
Stratford .....	Jan. '11	60	10,794.1	51,725	6.6
Strathroy .....	Dec. '14	60	2,142.5	9,985	5.8
Streetsville .....	Dec. '34	25	944.0	3,973	2.2
Sunderland .....	Nov. '14	60	245.1	888	7.3
Sundridge .....	Jun. '52	60	114.4	.....	.....
Sutton .....	Aug. '23	60	524.5	2,593	12.8
Swansea .....	Oct. '37	60	4,618.3	20,723	8.1
Tara .....	Feb. '18	60	229.3	792	7.5
Tavistock .....	Nov. '16	60	819.8	3,265	4.4
Tecumseh .....	Nov. '22	25	933.8	3,971	8.6
Teeswater .....	Dec. '20	60	306.3	1,430	10.7
Thamesford .....	Feb. '14	60	354.4	1,344	1.6
Thamesville .....	Oct. '15	25	549.0	1,662	13.9
Thedford .....	May '22	60	253.2	1,017	15.7
Thornbury .....	Sep. '44	60	316.5	952	24.9
Thorndale .....	Mar. '14	60	203.0	631	19.1
Thornton .....	Nov. '18	60	78.2	213	13.9

LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Thorold.....	Jan. '21	25	6,545.3	31,386	36.5
Tilbury.....	Apr. '15	25	1,398.0	5,240	8.1
Tillsonburg.....	Aug. '11	25	2,954.2	11,964	13.6
Toronto.....	Jun. '11	25 & 60	443,355.0	2,320,219	4.9
Toronto Twp.—V.A....	Aug. '13	60	13,893.9	55,132	21.8
Tottenham.....	Oct. '18	60	259.1	928	8.5
Trafalgar Twp.—V.A....	Dec. '23	60	2,444.1	8,949	26.0
Trenton.....	Mar. '16	60	7,995.5	36,083	3.6
Tweed.....	Mar. '16	60	682.5	2,521	*
Uxbridge.....	Sep. '22	60	812.0	3,257	14.4
Vankleek Hill.....	Jun. '52	60	295.0		
Victoria Harbour.....	Jul. '14	60	175.5	700	8.1
Walkerton.....	Apr. '30	60	1,725.0	6,350	4.8
Wallaceburg.....	Feb. '15	60	8,107.9	37,084	0.5
Wardsville.....	Jun. '21	25	133.0	463	10.9
Warkworth.....	Oct. '23	60	179.0	595	7.6
Waterdown.....	Nov. '11	25	654.1	2,594	13.8
Waterford.....	Apr. '15	25	826.0	2,673	7.2
Waterloo.....	Dec. '10	25	9,938.9	39,370	11.5
Watford.....	Sep. '17	60	675.7	2,395	5.8
Waubauskene—V.A....	Dec. '14	60	163.1	822	11.7
Welland.....	Sep. '17	25	12,891.6	60,467	3.9
Wellesley.....	Nov. '16	25	260.1	901	13.6
Wellington.....	Apr. '19	60	343.8	1,522	3.3
West Lorne.....	Jan. '17	25	760.8	2,550	18.9
Weston.....	Aug. '11	25	6,709.4	31,271	2.5
Westport.....	Nov. '31	60	223.8	836	7.7
Wheatley.....	Feb. '24	25	476.8	1,884	7.6
Whitby.....	Mar. '16	60	2,956.8	12,850	12.1
Warton.....	Apr. '30	60	748.5	3,470	6.0
Williamsburg.....	Apr. '15	60	141.6	608	3.6
Winchester.....	Jan. '14	60	597.3	2,708	10.9
Windermere.....	Jun. '30	60	55.5	343	9.2
Windsor.....	Oct. '14	60	67,166.4	304,097	3.9
Wingham.....	Dec. '20	60	1,236.9	6,167	8.9
Woodbridge.....	Dec. '14	60	1,572.0	7,834	9.8
Woodstock.....	Jan. '11	25	10,951.8	51,409	5.4
Woodville.....	Nov. '14	60	166.4	491	13.4
Wyoming.....	Nov. '16	60	236.4	754	25.2
York Twp.—V.A....	Jan. '13	25	40,444.5	188,714	13.2
Zurich.....	Sep. '17	60	257.3	855	9.7

\*Not comparable.



## LOADS OF SYSTEMS IN MUNICIPALITIES GROUPS 1 AND 3, 1952

Municipality	Date of first delivery	Frequency	Peak load December 1952	Energy consumption during 1952	Increase or decrease in consumption 1952 over 1951
NORTHERN ONTARIO PROPERTIES		cycles	kw	'000 kwh	per cent
Atikokan Imp. Dist....	Dec. '44	60	1,311.6	5,126	19.0
Beardmore Imp. Dist....	Jun. '37	60	286.9	1,217	9.9
Cache Bay.....	Dec. '50	60	122.0	1,168	394.6
Capreol.....	May '35	60	918.8	4,149	9.1
Cobalt.....	Jan. '45	60	804.0	3,202	19.8
Cochrane.....	Dec. '52	60	1,338.3		
Cottage Cove Townsite	Nov. '40	60	179.9	651	4.2
Elk Lake Townsite....	Jan. '45	25	141.4	453	11.5
Englehart.....	Jan. '45	60	628.8	2,647	15.8
Fort William.....	Oct. '26	60	29,444.5	161,537	10.4
Geraldton.....	Feb. '37	60	898.0	3,736	3.3
Haileybury.....	Jan. '45	60	1,046.7	4,300	8.5
Hearst.....	Apr. '52	60	479.8		
Hudson Townsite.....	Oct. '39	60	133.4	469	5.7
Jellicoe Townsite....	Dec. '51	60	14.0	44	
Kearns Townsite.....	Dec. '38	25	101.1	556	17.9
King Kirkland Townsite	Dec. '36	25	62.4	226	10.8
Kirkland Lake.....	Jan. '45	25 & 60	6,314.0	25,541	2.9
Larder Lake Twp.—V.A.	Mar. '49	60	519.7	2,203	6.2
Latchford.....	Apr. '50	60	58.0	236	37.8
Massey.....	Dec. '52	60	150.0		
Matachewan Twp.....	Apr. '35	25	300.8	1,250	24.9
Matheson.....	Dec. '35	25	320.5	1,273	18.2
McGarry Imp. Dist....	Mar. '49	60	626.6	2,520	12.7
New Liskeard.....	Jan. '45	60	1,985.6	8,406	13.5
Nipigon Twp.—V.A....	Jan. '25	60	739.4	3,302	8.9
North Bay.....	Mar. '16	60	8,636.9	42,600	8.4
Pickle Lake Landing...	Aug. '52	60	17.9		
Port Arthur.....	Dec. '10	60	30,792.2	147,590	13.2
Powassan.....	Mar. '16	60	314.8	1,037	18.0
Red Lake Townsite....	Jun. '38	60	626.4	2,731	6.4
Red Rock Imp. Dist....	Feb. '48	60	422.0	1,755	10.7
Schreiber Twp.—V.A....	Nov. '48	60	542.5	2,483	18.3
Sioux Lookout.....	Sep. '39	60	979.6	4,766	15.4
South Porcupine Townsite.....	Jan. '45	25	1,487.5	6,055	8.3
Sturgeon Falls.....	Apr. '51	60	1,282.9	4,740	
Sudbury.....	Feb. '30	60	19,635.7	88,295	13.3
Terrace Bay Imp. Dist.	Jan. '48	60	931.6	4,629	11.2
Thornloe.....	Jan. '45	60	27.3	124	9.7
Timmins.....	Jan. '45	25	9,021.0	35,753	5.5
Webbwood.....	Dec. '52	60	75.0		

## APPENDIX II—FINANCIAL

### Schedules in Support of Financial Statements Presented in Section II

For each of the Southern Ontario System and the Northern Ontario Properties a balance sheet and a statement of operations are given in Section II of the Report. Also in Section II are statements of the Commission's funded debt and of advances from the Province of Ontario.

Appendix II includes detailed schedules in support of the summaries given in Section II. Schedules relating to the Southern Ontario System are given first and those relating to Northern Ontario Properties follow in the same order. For convenient reference the following table is reproduced from Section II.

### FINANCIAL STATEMENTS

#### Relating to

Properties Operated by The Hydro-Electric Power Commission of  
Ontario on Behalf of the Co-operating Municipalities and  
Rural Power District of the Southern Ontario System

#### and to

Northern Ontario Properties Held and Operated by the Commission  
in Trust for the Province of Ontario and on Behalf of  
Municipalities Supplied with Power at Cost

Description	Southern Ontario System	Northern Ontario Properties
	Page	Page
Balance Sheet.....	20	22
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Schedules supporting the Balance Sheet:		
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Advances from the Province of Ontario.....	28	28
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## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
<b>GENERATING STATIONS</b>				
<b>Niagara Division</b>				
<b>Niagara River</b>				
Sir Adam Beck-Niagara				
No. 1.....		47,927,849.93	28,705,291.85	76,633,141.78
Sir Adam Beck-Niagara				
No. 2.....	92,164,769.94			92,164,769.94
Ontario Power.....		7,281,151.42	14,475,841.88	21,756,993.30
Toronto Power.....		3,823,379.60	7,632,354.00	11,455,733.60
Niagara Weir.....		416,326.62		416,326.62
<b>Welland Canal</b>				
DeCew Falls.....	18,330.83	10,263,455.45	16,100,173.31	26,381,959.59
<b>Ottawa River</b>				
Des Joachims.....	36,529.89	13,639,498.00	59,520,762.85	73,196,790.74
Otto Holden.....	102,025.67	16,137,920.00	39,030,450.28	55,270,395.95
Chenaux.....		2,285,160.00	26,852,169.00	29,137,329.00
Chats Falls.....	4,706.30	817,506.36	6,621,363.27	7,443,575.93
Power sites, etc.....	786,242.82			786,242.82
Long Lake Diversion.....	1,831.72	258,057.40	637,699.11	897,588.23
Ogoki Diversion.....		3,300,539.39	1,752,408.11	5,052,947.50
<b>Fuel-electric generating stations</b>				
J. Clark Keith.....	12,828,338.64	190,000.00	23,809,286.73	36,827,625.37
Richard L. Hearn.....	4,553,607.52	750,000.00	36,520,000.00	41,823,607.52
Other steam-electric.....	12,562.61	184,297.87	6,077,506.54	6,274,367.02
Diesel.....			456,342.99	456,342.99
<b>Georgian Bay Division</b>				
<b>Muskoka River</b>				
Ragged Rapids.....	6,238.78	70,889.49	1,256,718.20	1,333,846.47
Big Eddy.....	2,112.02	170,434.74	1,119,341.96	1,291,888.72
Bala No. 1 and 2.....	1,520.24	69,120.64	43,379.34	114,020.22
Land and water rights.....		17,224.03		17,224.03
<b>South Muskoka River</b>				
South Falls.....		17,934.95	566,232.30	584,167.25
Trethewey Falls.....		51,549.45	307,533.09	359,082.54
Hanna Chute.....		33,469.30	205,348.15	238,817.45
Hollow Lake Dam.....		18,425.43	29,540.16	47,965.59
<b>Beaver River</b>				
Eugenia.....		142,538.73	1,170,789.02	1,313,327.75
<b>Severn River</b>				
Big Chute.....		178,040.48	623,079.35	801,119.83
Waddell Falls.....		13,752.32	192,669.00	206,421.32
<b>Saugeen River</b>				
Walkerton.....		100,286.31	104,883.80	205,170.11
Hanover.....		10,000.00		10,000.00
<b>Magnetawan River</b>				
Burks Falls.....		24,134.00	156,975.32	181,109.32
<b>Sauble River</b>				
Lands and rights.....		4,200.00		4,200.00
<b>Credit River</b>				
Caledon.....		7,675.00	27,795.02	35,470.02
Miscellaneous.....		1,735.29	50,762.94	52,498.23
<b>Eastern Ontario Division</b>				
<b>Trent River</b>				
Heely Falls.....	2,618.70		1,228,710.40	1,231,329.10
Ranney Falls.....	1,628.35	18,596.20	1,416,784.95	1,437,009.50
Meyersburg.....			837,756.98	837,756.98
Sidney.....			249,850.46	249,850.46



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
<b>GENERATING STATIONS—Cont.</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Hagues Reach.....			572,466.30	572,466.30
Seymour.....	27,119.05		314,003.09	341,122.14
Frankford.....			280,628.15	280,628.15
Sills Island.....		38,679.36	282,721.87	321,401.23
Crow River.....		1,000.00		1,000.00
Otonabee River				
Auburn.....	227.38	31,400.00	302,174.05	333,801.43
Lakefield.....		19,620.05	217,752.02	237,372.07
Fenelon Falls.....		60,000.00	112,848.63	172,848.63
Madawaska River				
Stewartville.....	10,251.13	840,221.08	10,762,650.34	11,613,122.55
Barrett Chute.....	3,523.91	702,098.49	4,005,001.86	4,710,624.26
Calabogie.....	12,432.20	79,825.74	679,927.48	772,185.42
Bark Lake Dam.....		614,248.81	799,608.05	1,413,856.86
Kaministegig Dam.....		24,980.86	1,795.46	26,776.32
Undeveloped sites.....	241,379.87	800,000.00		1,041,379.87
Mississippi River				
High Falls.....		13,154.84	716,735.62	729,890.46
Galetta.....	9,532.50	20,000.00	140,502.30	170,034.80
Rideau River				
Merrickville.....	4,575.05	7,547.51	115,238.35	127,360.91
Miscellaneous.....		39.00	36,354.94	36,393.94
Intangible.....		2,217,761.29		2,217,761.29
	110,832,105.12	113,695,725.43	297,120,208.87	521,648,039.42
<b>TRANSFORMER STATIONS</b>				
Niagara Division.....	9,109,388.10		131,542,828.18	140,652,216.28
Georgian Bay Division.....	554,069.96		5,409,174.76	5,963,244.72
Eastern Ontario Division.....	1,346,374.98		14,082,111.91	15,428,486.89
	11,009,833.04		151,034,114.85	162,043,947.89
<b>TRANSMISSION LINES</b>				
Niagara Division.....	9,904,159.25	17,800,254.35	88,115,397.03	115,819,810.63
Georgian Bay Division.....	226,762.80	196,099.92	5,877,829.98	6,300,692.70
Eastern Ontario Division.....	1,144,166.38	1,473,762.45	13,153,654.56	15,771,583.39
	11,275,088.43	19,470,116.72	107,146,881.57	137,892,086.72
<b>LOCAL SYSTEMS</b>				
Niagara Division.....	624.25		93,987.00	94,611.25
Georgian Bay Division.....	998.93		197,418.85	198,417.78
Eastern Ontario Division.....	25,296.95		102,322.20	127,619.15
	26,920.13		393,728.05	420,648.18
<b>COMMUNICATIONS</b>				
Southern Ontario System.....	456,110.97		9,202,271.49	9,658,382.46
Total.....	133,600,057.69	133,165,842.15	564,897,204.83	831,663,104.67
<b>RURAL POWER DISTRICT</b>				
H-E.P.C. investment.....	3,128,445.84	37,559.97	60,160,527.93	63,326,533.74
Provincial assistance.....	2,927,354.90		58,768,982.24	61,696,337.14
Total—Rural Power District.....	6,055,800.74	37,559.97	118,929,510.17	125,022,870.88

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO  
ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS  
AND EQUIPMENT

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
<b>ADMINISTRATIVE BUILDINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Toronto				
Head Office.....	679,131.54	462,561.54	3,973,327.94	5,115,021.02
210 Bloor Street West.....		42,000.00	264,993.95	306,993.95
	679,131.54	504,561.54	4,238,321.89	5,422,014.97
<b>SERVICE BUILDINGS AND EQUIPMENT</b>				
Buildings				
Toronto				
8 Strachan Avenue.....	20,445.19		192,491.78	212,936.97
1379 Bloor Street West.....			50,000.00	50,000.00
A. W. Manby Service Centre.....	496,179.50	257,009.30	7,020,514.78	7,773,703.58
Hamilton			550,000.00	550,000.00
Fort William Helicopter Hangar.....	14,784.92			14,784.92
Equipment				
Toronto.....			1,715,790.21	1,715,790.21
Regions.....			447,908.22	447,908.22
Office equipment				
Toronto.....			1,090,617.07	1,090,617.07
Regions.....			753,434.54	753,434.54
	531,409.61	257,009.30	11,820,756.60	12,609,175.51
<b>Total.....</b>	<b>1,210,541.15</b>	<b>761,570.84</b>	<b>16,059,078.49</b>	<b>18,031,190.48</b>

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SOUTHERN ONTARIO SYSTEM

FIXED ASSETS—Summary, December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Power system.....	133,600,057.69	133,165,842.15	564,897,204.83	831,663,104.67
Administrative buildings & service buildings & equipment.	1,210,541.15	761,570.84	16,059,078.49	18,031,190.48
Rural Power District.....	6,055,800.74	37,559.97	118,929,510.17	125,022,870.88
<b>Total fixed assets.....</b>	<b>140,866,399.58</b>	<b>133,964,972.96</b>	<b>699,885,793.49</b>	<b>974,717,166.03</b>
Less assistance for construction—Province of Ontario for Rural Power District .....				61,696,337.14
				913,020,828.89

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

## FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1952

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Balance at credit at January 1, 1952.....		\$15,846,065.58
Expenditures for frequency standardization work completed during year.....	\$40,602,873.34	
Less:		
Industrial customers' contributions.....	\$3,649,482.15	
Prior year adjustment of expenditures for frequency standardization.....	45,447.82	
	<hr/>	3,694,929.97
		<hr/>
		\$36,907,943.37
Less portion of cost charged to cost of power for the year ..	6,354,293.00	
	<hr/>	30,553,650.37
		<hr/>
Balance at debit at December 31, 1952.....		\$14,707,584.79

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THE HYDRO-ELECTRIC POWER  
SOUTHERN ONTARIO

STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
	\$	\$
GENERATING STATIONS		
Niagara Division		
Niagara River		
Sir Adam Beck-Niagara No. 1	76,637,510.18	
Sir Adam Beck-Niagara No. 2	31,130,724.86	61,034,045.08
Ontario Power	21,759,506.49	3,416.56
Toronto Power	11,455,798.70	65.10
Niagara Weir	416,326.62	
Welland Canal		
DeCew Falls	26,347,968.69	34,190.90
Ottawa River		
Des Joachims	72,888,232.08	730,610.15
Otto Holden	46,505,865.07	8,764,530.88
Chenaux	28,687,807.74	449,521.26
Chats Falls	7,432,888.01	10,839.92
Ogoki Diversion	5,041,248.49	11,699.01
Fuel-electric generating stations		
J. Clark Keith	24,811,996.66	12,015,628.71
Richard L. Hearn	29,546,242.59	12,277,364.93
Other steam-electric	6,196,230.37	78,136.65
Diesel	456,412.99	
Other properties	1,684,968.75	1,137.70
Georgian Bay Division		
Muskoka River		
Ragged Rapids	1,328,321.77	5,524.70
Big Eddy	1,289,627.50	2,261.22
South Muskoka River		
South Falls	584,155.55	11.70
Trethewey Falls	357,263.89	1,818.65
Beaver River		
Eugenia	1,312,154.46	1,188.29
Severn River		
Big Chute	771,104.44	30,855.37
Other properties	1,112,709.03	3,613.89
Eastern Ontario Division		
Trent River		
Heely Falls	1,223,454.56	9,417.77
Ranney Falls	1,435,381.15	1,628.35
Meyersburg	837,638.10	118.88
Hagues Reach	572,466.30	
Seymour	324,737.99	16,384.15
Sills Island	321,501.23	
Otonabee River		
Auburn	333,574.05	227.38
Madawaska River		
Stewartville	11,502,202.84	110,919.71
Barrett Chute	4,709,018.83	3,793.61
Calabogie	759,753.22	12,432.20
Bark Lake Dam	1,413,844.57	12.29
Undeveloped sites	1,031,821.56	9,558.31
Mississippi River		
High Falls	723,143.74	8,746.72
Intangible	2,217,761.29	
Other properties	1,285,019.45	21,667.83
	426,446,383.81	95,648,962.27

## COMMISSION OF ONTARIO

## SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
4,268.40	100.00		76,633,141.78
5,129.75		800.00	92,164,769.94
			21,756,993.30
			11,455,733.60
			416,326.62
	200.00		26,381,959.59
421,791.49	260.00		73,196,790.74
			55,270,395.95
	152.00		29,137,329.00
			7,443,575.93
			5,052,947.50
			36,827,625.37
			41,823,607.52
	70.00		6,274,367.02
			456,342.99
			1,683,831.05
			1,333,846.47
			1,291,888.72
			584,167.25
			359,082.54
	15.00		1,313,327.75
	40.00	799.98	801,119.83
		3,426.63	1,112,896.29
	1,143.23	400.00	1,231,329.10
			1,437,009.50
			837,756.98
			572,466.30
	100.00		341,122.14
			321,401.23
			333,801.43
2,188.18			11,613,122.55
			4,710,624.26
			772,185.42
			1,413,856.86
			1,041,379.87
		2,000.00	729,890.46
	10.00	4,412.00	2,217,761.29
			1,302,265.28
433,377.82	2,090.23	11,838.61	521,648,039.42

See Footnote (2) page 287

## THE HYDRO-ELECTRIC POWER

## SOUTHERN ONTARIO

## STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
<b>TRANSFORMER STATIONS</b>	\$	\$
Niagara Division.....	123,693,260.99	17,475,118.91
Georgian Bay Division.....	4,999,919.86	838,297.55
Eastern Ontario Division.....	12,937,178.04	2,825,040.07
	141,630,358.89	21,138,456.53
<b>TRANSMISSION LINES</b>		
Niagara Division.....	104,638,284.76	11,272,621.33
Georgian Bay Division.....	5,553,026.14	669,023.56
Eastern Ontario Division.....	13,888,656.58	1,738,999.24
	124,079,967.48	13,680,644.13
<b>LOCAL SYSTEMS</b>		
Niagara Division.....	90,790.24	4,015.82
Georgian Bay Division.....	182,323.69	17,404.52
Eastern Ontario Division.....		54,871.15
	273,113.93	76,291.49
<b>COMMUNICATIONS</b>		
Southern Ontario System.....	7,896,633.27	1,813,133.88
Sub-total.....	700,326,457.38	132,357,488.30
<b>RURAL POWER DISTRICT</b>		
H-E.P.C. investment.....	56,142,927.96	9,464,696.25
Provincial assistance.....	55,082,046.57	8,895,381.03
	111,224,974.53	18,360,077.28
Total—Southern Ontario System.....	811,551,431.91	150,717,565.58

See Footnote (1) page 286



## COMMISSION OF ONTARIO

## SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
131,950.07	75,239.24	572,874.45	140,652,216.28
182,093.65	5,508.34	51,558.00	5,963,244.72
90,325.55	34,852.89	208,552.78	15,428,486.89
223,718.17	115,600.47	832,985.23	162,043,947.89
348,900.07	133,525.98	306,469.55	115,819,810.63
164,041.22	17,931.04	67,467.18	6,300,692.70
362,730.21	25,229.11	193,573.53	15,771,583.39
875,671.50	176,686.13	567,510.26	137,892,086.72
.....	194.81	.....	94,611.25
.....	436.91	873.52	198,417.78
72,748.00	.....	.....	127,619.15
72,748.00	631.72	873.52	420,648.18
25,348.90	7,994.05	68,739.54	9,658,382.46
764,108.75	303,002.60	1,481,947.16	831,663,104.67
382,054.38	1,577,578.80	321,457.29	63,326,533.74
382,054.37	1,577,578.80	321,457.29	61,696,337.14
764,108.75	3,155,157.60	642,914.58	125,022,870.88
.....	3,458,160.20	2,124,861.74	956,685,975.55

See Footnote (2) page 287

## THE HYDRO-ELECTRIC POWER

## SOUTHERN ONTARIO

## STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS AND EQUIPMENT	\$	\$
ADMINISTRATIVE BUILDINGS		
Toronto		
Head Office.....	4,898,431.17	247,518.05
210 Bloor Street West.....	301,188.51	5,805.44
	5,199,619.68	253,323.49
SERVICE BUILDINGS AND EQUIPMENT		
Buildings		
Toronto		
8 Strachan Avenue.....	192,491.78	20,445.19
1379 Bloor Street West.....	50,000.00	
A. W. Manby Service Centre.....	7,198,951.25	625,249.13
Other properties.....	554,879.24	14,784.92
Equipment		
Toronto.....	1,499,746.72	219,309.25
Regions (Note 1).....	285,973.97	161,934.25
Office equipment		
Toronto.....	968,303.54	122,581.69
Regions (Note 1).....	624,108.93	130,619.75
	11,374,455.43	1,294,924.18
Total—Administrative Buildings and Service Buildings and Equipment.....	16,574,075.11	1,548,247.67
Total.....	828,125,507.02	152,265,813.25
Less assistance for construction—Province of Ontario for Rural Power District (Note 1).....	55,082,046.57	6,614,290.57
	773,043,460.45	145,651,522.68

(1) At January 1, 1952 the fixed assets of the Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953, as follows:

Power system .....	\$74,262,526.80
Service equipment, regions.....	84,345.91
Office equipment, regions.....	86,574.18
Less assistance for construction, Rural Power District....	1,261,601.81

## COMMISSION OF ONTARIO

## SYSTEM

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
		*30,928.20	5,115,021.02
			306,993.95
		30,928.20	5,422,014.97
			212,936.97
			50,000.00
		*50,496.80	7,773,703.58
		4,879.24	564,784.92
	2,700.00	565.76	1,715,790.21
			447,908.22
		268.16	1,090,617.07
		1,294.14	753,434.54
	2,700.00	57,504.10	12,609,175.51
	2,700.00	88,432.30	18,031,190.48
	3,460,860.20	2,213,294.04	974,717,166.03
			61,696,337.14
	3,460,860.20	2,213,294.04	913,020,828.89

(2) Retirements charged to reserves for depreciation and contingencies:

Depreciation reserve.....	\$1,563,517.90
Contingencies reserve.....	568,351.14
*Operations—Amortization of temporary buildings.....	81,425.00
Total.....	\$2,213,294.04



## THE HYDRO-ELECTRIC POWER

## SOUTHERN ONTARIO

## STATEMENTS OF RESERVES—

## Depreciation

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1952...	82,991,013.74	13,757,548.06	1,791,090.11	98,539,651.91
Add:				
Interest at 4% per annum on reserve balances.....	3,564,440.55	550,301.92	29,962.08	4,144,704.55
Provision in the year				
—direct.....	6,570,514.26	1,130,611.32		7,701,125.58
—indirect.....		3,538.99	426,947.21	430,486.20
Amortization of auxiliary steam and diesel genera- ting equipment—trans- ferred from reserve for contingencies.....	6,120,000.00			6,120,000.00
Adjustments re transfer of equipment.....	185,075.00	178,282.78	1,321.99	8,114.21
Sub-total.....	99,431,043.55	15,263,717.51	2,249,321.39	116,944,082.45
Deduct:				
Amounts withdrawn for re- newals.....	30,077.24	371,141.18		401,218.42
Amounts withdrawn on assets retired.....	1,200,309.43	356,201.17	7,007.30	1,563,517.90
Excess depreciation accumu- lated on assets retired— transferred to contingency reserve.....	185,219.39	49,593.22		234,812.61
Balance at December 31, 1952.	98,015,437.49	14,486,781.94	2,242,314.09	114,744,533.52

NOTE: The reserve for depreciation of the Thunder Bay System at January 1, 1952 amounting to \$7,674,328.53 and a portion of the reserve for depreciation of administrative and service buildings and equipment amounting to \$37,215.23 were transferred to the Northern Ontario Properties as at that date.

## Exchange Premium Received on Funded Debt

Exchange premium on funded debt issued in United States funds	
Balance at January 1, 1952.....	\$5,557,538.66
Less: Portion transferred to Contingencies and Obsolescence Reserve re partial retirement of 3¼% September, 1951 issue.....	66,032.23
Balance at December 31, 1952.....	\$5,491,506.43

## COMMISSION OF ONTARIO

## SYSTEM

December 31, 1952

## Contingencies and Obsolescence

	Power system	Rural Power District	Total
	\$	\$	\$
Balance at January 1, 1952.....	35,448,495.94	1,211,162.89	36,659,658.83
Add:			
Interest at 4% per annum on reserve balances	1,169,810.25	48,446.52	1,218,256.77
Provision in the year—direct.....	2,424,614.10	1,405,611.32	3,830,225.42
—indirect.....		3,539.09	3,539.09
Excess depreciation accumulated on fixed assets retired—transferred from deprecia- tion reserve.....	185,219.39	49,593.22	234,812.61
Sub-total.....	39,228,139.68	2,718,353.04	41,946,492.72
Deduct:			
Amortization of auxiliary steam and diesel generating equipment—transferred to depreciation reserve.....	6,120,000.00		6,120,000.00
Excess of cost of fixed assets retired over accumulated depreciation.....	281,637.73	286,713.41	568,351.14
Adjustments re transfer of equipment.....	324,519.04	323,917.45	601.59
Contingencies met with during year.....	965,044.44	463,112.60	1,428,157.04
Balance at December 31, 1952.....	32,185,976.55	1,644,609.58	33,830,586.13

NOTE: The reserve for contingencies and obsolescence of the Thunder Bay System at January 1, 1952 amounting to \$7,555,945.24 was transferred to the Northern Ontario Properties as at that date.

## Stabilization of Rates

	\$
Balance at January 1, 1952.....	25,003,392.56
Add interest at 4% per annum on reserve balance.....	1,000,135.70
	26,003,528.26
Less withdrawal in the year.....	2,061,885.51
Balance at December 31, 1952.....	23,941,642.75

NOTE: The reserves for stabilization of rates of the Thunder Bay System at January 1, 1952 amounting to \$1,296,349.34 were transferred to the Northern Ontario Properties as at that date.

The balance at December 31, 1952 of \$23,941,642.75 includes special accounts of \$709,254.52 and \$2,088,426.19 pertaining to municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

**STATEMENTS OF RESERVES—Continued**  
**Rural Power District—Rates Suspense Account**

	\$
Balance at January 1, 1952.....	2,484,066.77
Interest at 4% per annum on reserve balance.....	99,362.67
Excess of revenue from sale of power for the year ended December 31, 1952....	25,163.02
Balance at December 31, 1952.....	2,608,592.46

NOTE: The balance at debit of the Rural Power District rates suspense account of the Thunder Bay System at January 1, 1952 amounting to \$208,345.47 was transferred to the Northern Ontario Properties as at that date.

**Sinking Fund**

	Power system and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balance at January 1, 1952.....	130,497,800.99	1,531,730.29	132,029,531.28
Interest at 4% per annum on reserve balance..	5,219,912.04	61,269.21	5,281,181.25
Provision in the year—direct.....	7,342,956.73	123,099.99	7,466,056.72
—indirect.....	3,726.38	.....	3,726.38
Balance at December 31, 1952.....	143,064,396.14	1,716,099.49	144,780,495.63

NOTE: The sinking fund reserve of the Thunder Bay System at January 1, 1952 amounting to \$8,191,404.31 was transferred to the Northern Ontario Properties as at that date.



**SOUTHERN ONTARIO SYSTEM**

**Cost of Power, Amount Billed at Interim Rates, and Balance Credited  
or Charged to Municipalities for the year ended  
December 31, 1952**

## SOUTHERN ONTARIO

**COST OF POWER, AMOUNT BILLED AT INTERIM RATES,**  
**For the Year**

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Acton.....	38.60	2,436.2	10,502.4	12,849.74	31,852.13	11,697.71
Agincourt.....	38.20	684.3	3,700.8	4,527.95	8,946.89	3,285.75
Ailsa Craig.....	45.10	196.0	747.4	914.45	2,562.60	941.12
Alexandria.....	42.65	764.3	3,262.0	3,991.07	10,291.64	1,051.39
Alliston.....	40.80	886.1	4,198.6	5,137.01	12,865.95	2,867.21
Almonte.....	35.85	633.5	1,752.7	2,144.44	8,530.36	871.46
Alvinston.....	50.90	169.8	642.5	786.10	2,220.05	815.32
Amherstburg.....	44.40	1,655.8	8,929.6	10,925.41	21,648.78	7,950.53
Ancaster Twp.....	37.40	828.9	3,983.2	4,873.46	10,837.46	3,980.06
Apple Hill.....	42.25	55.3	213.0	260.61	744.64	76.07
Arkona.....	46.00	167.1	601.6	736.06	2,184.75	802.35
Arnprior.....	37.20	2,240.6	9,507.9	11,632.97	30,170.68	3,082.22
Arthur.....	42.10	356.9	1,525.2	1,866.09	5,182.10	1,633.74
Athens.....	40.45	174.4	767.6	939.16	2,348.37	239.91
Aurora.....	39.35	1,970.0	10,747.4	13,149.50	25,756.79	9,459.20
Aylmer.....	39.50	1,818.0	9,356.1	11,447.24	23,769.47	8,729.35
Ayr.....	39.60	395.7	1,452.0	1,776.53	5,173.59	1,900.00
Baden.....	36.90	559.8	2,049.7	2,507.82	7,319.11	2,687.95
Bancroft.....	52.20	141.2	384.0	469.83	1,901.32	194.24
Barrie.....	32.25	7,046.2	35,689.1	43,665.81	102,309.10	22,799.86
Barry's Bay.....	47.30	139.2	526.3	643.93	1,874.39	191.49
Bath.....	39.75	103.6	401.0	490.63	1,395.02	142.51
Beachville.....	38.50	989.3	5,172.8	6,328.95	12,934.62	4,750.24
Beamsville.....	36.00	804.9	4,236.0	5,182.77	10,523.68	3,864.83
Beaverton.....	40.20	440.1	1,857.2	2,272.29	6,390.14	1,424.06
Beeton.....	48.25	186.0	801.2	980.27	2,700.67	601.85
Belle River.....	45.30	394.1	1,752.4	2,144.07	5,152.67	1,892.32
Belleville.....	34.30	11,017.3	58,468.3	71,536.29	148,352.88	15,155.62
Blenheim.....	43.10	850.2	4,221.2	5,164.66	11,115.95	4,082.34
Bloomfield.....	43.70	228.7	919.6	1,125.14	3,079.55	314.60
Blyth.....	43.85	351.7	1,572.0	1,923.35	4,598.31	1,688.73
Bobcaygeon.....	40.20	317.1	1,283.2	1,570.00	4,111.96	436.21
Bolton.....	41.50	346.2	1,621.5	1,983.91	4,526.40	1,662.32
Bothwell.....	49.75	219.3	905.8	1,108.25	2,867.24	1,053.00
Bowmanville.....	38.80	3,845.7	18,273.6	22,357.85	51,784.07	5,290.23
Bradford.....	41.50	756.5	3,659.1	4,476.93	10,984.19	2,447.86
Braeside.....	36.30	200.6	620.6	759.31	2,701.17	275.95
Brampton.....	34.80	5,016.2	22,949.0	28,078.23	65,584.38	24,085.90
Brantford.....	34.10	26,076.6	133,556.5	163,407.11	340,938.86	125,209.98
Brantford Twp.....	34.80	4,077.0	20,343.7	24,890.63	53,304.79	19,576.21

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
32,029.67	7,308.60	2,436.20	3,291.24	723.24	95,606.05	94,037.30	1,568.75
4,929.00	2,052.90	684.30	924.47	203.14	23,705.46	26,139.61	2,434.15
3,323.29	588.00	196.00	264.79	58.18	8,318.85	8,841.10	522.25
12,112.30		764.30		226.90	28,437.60	32,595.97	4,158.37
12,819.48		886.10	886.10	263.06	33,952.71	36,152.88	2,200.17
8,199.79		633.50		188.07	20,567.62	22,710.65	2,143.03
2,014.43	509.40	169.80	229.39	50.40	6,336.11	8,644.08	2,307.97
30,075.44	4,967.40	1,655.80	2,236.94	491.55	75,477.97	73,517.89	1,960.08
7,679.16	2,486.70	828.90	1,119.82	246.07	29,811.99	31,001.17	1,189.18
722.41		55.30		16.42	1,875.45	2,337.11	461.66
2,781.52	501.30	167.10	225.75	49.60	6,996.93	7,686.22	689.29
34,857.69		2,240.60		665.17	82,649.33	83,349.08	699.75
4,866.66		356.90	356.90	105.95	13,654.54	15,025.12	1,370.58
2,293.32		174.40		51.77	6,046.93	7,055.82	1,008.89
16,464.48	5,910.00	1,970.00	2,661.41	584.83	70,633.39	77,518.19	6,884.80
23,804.97	5,454.00	1,818.00	2,456.06	539.71	73,106.68	71,811.98	1,294.70
4,888.09	1,187.10	395.70	534.58	117.47	14,903.90	15,668.07	764.17
6,204.35	1,679.40	559.80	756.27	166.19	20,368.35	20,655.05	286.70
4,122.16		141.20		41.92	6,870.67	7,372.80	502.13
51,198.36		7,046.20	7,046.20	2,091.83	222,064.96	227,239.68	5,174.72
2,770.98		139.20		41.32	5,661.31	6,582.17	920.86
1,373.91		103.60		30.76	3,536.43	4,116.77	580.34
11,276.35	2,967.90	989.30	1,336.52	293.69	38,204.53	38,088.04	116.49
9,204.07	2,414.70	804.90	1,087.40	238.95	31,146.50	28,976.10	2,170.40
7,932.79		440.10	440.10	130.65	18,149.93	17,692.65	457.28
3,351.36		186.00	186.00	55.22	7,689.37	8,976.50	1,287.13
6,918.31	1,182.30	394.10	532.42	117.00	17,268.35	17,852.70	584.35
98,418.92		11,017.30		3,270.70	347,751.71	377,894.82	30,143.11
13,926.50	2,550.60	850.20	1,148.60	252.40	36,794.05	36,644.69	149.36
4,036.50		228.70		67.89	8,852.38	9,996.00	1,143.62
5,108.39	1,055.10	351.70	475.14	104.41	14,354.85	15,420.19	1,065.34
4,706.57		317.10		94.14	11,235.98	12,748.07	1,512.09
5,136.66	1,038.60	346.20	467.71	102.78	14,329.16	14,365.21	36.05
3,667.34	657.90	219.30	296.27	65.10	9,341.86	10,910.17	1,568.31
39,155.76		3,845.70		1,141.67	123,575.28	149,211.86	25,636.58
9,271.94		756.50	756.50	224.58	27,405.50	31,395.10	3,989.60
3,030.72		200.60		59.55	7,027.30	7,280.57	253.27
43,250.00	15,048.60	5,016.20	6,776.74	1,489.16	175,775.73	174,562.60	1,213.13
143,769.98	78,229.80	26,076.60	35,228.73	7,741.37	850,144.97	889,211.79	39,066.82
23,731.39	12,231.00	4,077.00	5,507.91	1,210.34	133,513.45	141,878.15	8,364.70



**SOUTHERN ONTARIO**  
**COST OF POWER, AMOUNT BILLED AT INTERIM RATES,**  
**For the Year**

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Brechin.....	42.25	63.1	193.2	236.38	916.20	204.18
Bridgeport.....	38.20	386.5	1,712.0	2,094.64	5,053.30	1,855.83
Bridgen.....	45.20	151.4	538.8	659.22	1,979.48	726.97
Brighton.....	40.60	713.0	3,563.7	4,360.21	9,600.86	980.82
Brockville.....	37.80	8,098.1	39,065.4	47,796.73	109,044.54	11,139.91
Bronte.....	37.00	348.1	1,562.9	1,912.22	4,551.24	1,671.44
Brussels.....	45.00	360.5	1,659.0	2,029.80	4,713.36	1,730.98
Burford.....	37.60	428.9	1,759.6	2,152.88	5,607.66	2,059.42
Burgessville.....	40.20	113.1	342.8	419.42	1,478.73	543.06
Burks Falls.....	50.25	183.7	759.9	929.74	2,667.28	594.41
Burlington.....	36.10	2,896.5	14,502.8	17,744.26	37,870.33	13,907.90
Caledonia.....	37.30	587.7	2,848.0	3,484.54	7,683.89	2,821.91
Campbellville.....	42.70	87.4	345.7	422.97	1,142.71	419.66
Cannington.....	41.10	379.7	1,492.3	1,825.84	5,513.15	1,228.62
Cardinal.....	40.30	544.4	2,185.1	2,673.48	7,330.59	748.89
Carleton Place.....	36.30	2,344.5	10,195.1	12,473.76	31,569.74	3,225.14
Casselman.....	42.00	1.4	6.4	7.83	18.85	1.93
Cayuga.....	41.50	223.9	1,018.4	1,246.02	2,927.38	1,075.08
Chatham.....	36.50	11,644.6	56,611.6	69,264.60	152,247.48	55,912.97
Chatsworth.....	42.90	184.0	730.0	893.16	2,671.63	842.28
Chesley.....	38.90	868.9	3,496.5	4,277.99	12,616.22	3,977.47
Chesterville.....	38.90	668.2	3,041.5	3,721.29	8,997.61	919.19
Chippawa.....	33.40	509.2	2,658.4	3,252.57	5,952.94	2,444.99
Clifford.....	44.70	221.0	948.0	1,159.88	2,889.47	1,061.16
Clinton.....	38.80	1,287.9	6,592.0	8,065.35	16,838.67	6,184.01
Cobden.....	33.00	309.5	1,170.7	1,432.36	4,167.56	425.75
Cobourg.....	41.00	3,816.8	18,579.7	22,732.36	51,394.92	5,250.47
Colborne.....	43.30	424.2	2,053.4	2,512.35	5,712.04	583.54
Coldwater.....	45.00	222.5	1,020.0	1,247.98	3,230.65	719.96
Collingwood.....	37.40	4,045.2	17,080.8	20,898.45	58,735.31	13,089.33
Comber.....	47.50	208.9	767.8	939.41	2,731.27	1,003.06
Cookstown.....	42.90	166.6	647.6	792.34	2,418.99	539.08
Cottam.....	45.00	144.4	593.6	726.27	1,887.96	693.35
Courtright.....	44.55	93.9	397.1	485.85	1,227.70	450.87
Creemore.....	39.90	254.2	1,050.2	1,284.93	3,690.92	822.53
Dashwood.....	45.80	181.4	567.2	693.97	2,371.72	871.01
Delaware.....	40.90	148.1	529.3	647.60	1,936.34	711.12
Delhi.....	38.50	1,044.7	4,859.2	5,945.26	13,658.94	5,016.25
Deseronto.....	45.80	491.5	2,379.2	2,910.96	6,618.27	676.12
Dorchester.....	40.20	201.2	863.2	1,056.13	2,630.59	966.09

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
1,011.95		63.10	63.10	18.73	2,387.44	2,665.27	277.83
3,614.78	1,159.50	386.50	522.15	114.74	13,757.14	14,764.93	1,007.79
2,879.33	454.20	151.40	204.54	44.95	6,691.01	6,844.79	153.78
10,180.77		713.00		211.67	26,047.33	28,948.13	2,900.80
90,885.40		8,098.10		2,404.08	269,368.76	306,108.14	36,739.38
4,111.08	1,044.30	348.10	470.27	103.34	13,271.45	12,880.93	390.52
5,874.51	1,081.50	360.50	487.03	107.02	15,410.64	16,220.59	809.95
4,852.03	1,286.70	428.90	579.43	127.33	15,935.49	16,127.89	192.40
1,399.29	339.30	113.10	152.79	33.58	4,173.69	4,544.60	370.91
4,553.18		183.70	183.70	54.54	8,799.15	9,228.40	429.25
25,995.73	8,689.50	2,896.50	3,913.09	859.88	104,051.01	104,563.63	512.62
6,405.73	1,763.10	587.70	793.97	174.47	22,127.37	21,919.94	207.43
1,182.51	262.20	87.40	118.07	25.95	3,425.33	3,733.40	308.07
7,092.42		379.70	379.70	112.72	15,772.75	15,605.33	167.42
8,657.19		544.40		161.62	20,116.17	21,937.29	1,821.12
29,496.13		2,344.50		696.01	79,805.28	85,106.24	5,300.96
19.71		1.40		.42	50.14	60.55	10.41
3,065.06	671.70	223.90	302.48	66.47	8,973.13	9,290.46	317.33
99,839.44	34,933.80	11,644.60	15,731.52	3,456.94	411,568.31	425,027.86	13,459.55
2,725.15		184.00	184.00	54.62	7,186.84	7,892.15	705.31
11,169.86		868.90	868.90	257.95	32,299.49	33,798.58	1,499.09
9,656.07		668.20		198.37	24,160.73	25,994.27	1,833.54
3,920.57	1,527.60	509.20	687.91	151.17	17,071.13	17,008.38	62.75
3,188.07	663.00	221.00	298.56	65.61	8,949.63	9,877.57	927.94
14,107.39	3,863.70	1,287.90	1,739.92	382.34	48,989.44	49,969.54	980.10
2,844.72		309.50		91.88	9,271.77	10,212.92	941.15
62,351.99		3,816.80		1,133.09	146,679.63	156,487.78	9,808.15
7,117.45		424.20		125.93	16,475.51	18,368.56	1,893.05
3,667.78		222.50	222.50	66.05	8,932.42	10,014.33	1,081.91
52,644.92		4,045.20	4,045.20	1,200.90	146,568.91	151,289.23	4,720.32
4,041.78	626.70	208.90	282.22	62.02	9,330.92	9,920.35	589.43
2,755.58		166.60	166.60	49.46	6,555.45	7,145.34	589.89
2,252.95	433.20	144.40	195.08	42.87	5,985.92	6,496.11	510.19
1,423.18	281.70	93.90	126.86	27.88	3,864.22	4,182.49	318.27
3,802.98		254.20	254.20	75.46	9,676.82	10,142.90	466.08
3,226.28	544.20	181.40	245.07	53.85	7,697.36	8,307.72	610.36
1,933.67	444.30	148.10	200.08	43.97	5,665.02	6,058.64	393.62
12,392.63	3,134.10	1,044.70	1,411.36	310.14	40,090.66	40,221.90	131.24
9,103.54		491.50		145.91	19,946.30	22,512.59	2,566.29
2,680.47	603.60	201.20	271.82	59.73	7,925.99	8,088.54	162.55

**SOUTHERN ONTARIO**  
**COST OF POWER, AMOUNT BILLED AT INTERIM RATES,**  
**For the Year**

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Drayton.....	42.40	201.5	747.8	914.94	2,634.51	967.53
Dresden.....	43.80	724.8	3,151.0	3,855.27	9,476.41	3,480.22
Drumbo.....	41.00	160.8	569.2	696.42	2,102.38	772.10
Dublin.....	44.80	84.4	417.8	511.18	1,103.49	405.26
Dundalk.....	40.90	344.4	1,264.4	1,547.00	5,000.60	1,576.52
Dundas.....	31.90	3,924.8	16,628.8	20,345.43	51,314.85	18,845.41
Dunnville.....	36.80	2,066.9	9,601.4	11,747.37	27,023.71	9,924.47
Durham.....	40.80	654.2	3,064.1	3,748.94	9,498.82	2,994.66
Dutton.....	44.60	260.5	1,131.6	1,384.52	3,405.91	1,250.82
East York Twp.....	33.40	21,604.3	113,843.5	139,288.15	282,465.72	103,735.69
Eganville.....	44.00	39.9	126.5	154.77	537.27	54.89
Elmira.....	36.10	2,239.9	10,078.9	12,331.59	29,285.60	10,755.15
Elmvale.....	42.40	364.6	1,533.6	1,876.37	5,293.90	1,179.76
Elmwood.....	41.40	145.6	444.2	543.48	2,114.08	666.50
Elora.....	38.90	710.9	2,664.1	3,259.54	9,294.67	3,413.47
Embro.....	38.90	240.3	944.4	1,155.48	3,141.81	1,153.83
Erieau.....	46.25	244.4	1,076.8	1,317.47	3,195.41	1,173.52
Erie Beach.....	46.70	31.0	98.6	120.64	405.31	148.85
Erin.....	44.85	209.8	850.0	1,039.98	3,046.24	960.38
Essex.....	43.90	937.4	4,624.2	5,657.73	12,256.05	4,501.04
Etobicoke Twp.....	35.30	28,855.7	161,672.5	197,807.19	377,274.24	138,554.17
Exeter.....	40.90	1,290.8	5,796.8	7,092.42	16,876.58	6,197.93
Fergus.....	35.80	2,093.5	8,554.1	10,465.99	27,371.49	10,052.20
Finch.....	39.30	164.3	633.0	774.48	2,212.37	226.01
Flesherton.....	36.75	166.0	660.4	808.00	2,298.26	759.88
Fonthill.....	36.10	555.1	2,723.2	3,331.85	7,257.66	2,665.38
Forest.....	47.50	801.5	3,976.8	4,865.64	10,479.22	3,848.50
Forest Hill.....	32.90	8,295.7	43,822.4	53,616.95	108,462.24	43,321.35
Frankford.....	33.90	339.4	1,390.6	1,701.41	4,309.81	466.89
Galt.....	33.00	15,279.2	64,266.7	78,630.66	199,768.11	73,364.95
Georgetown.....	39.50	2,535.8	12,512.4	15,308.99	33,154.35	12,175.95
Glencoe.....	44.90	288.3	1,253.1	1,533.17	3,769.38	1,384.31
Goderich.....	42.20	2,514.5	12,816.1	15,680.57	32,875.86	12,073.68
Grand Valley.....	48.20	299.2	1,072.8	1,312.58	4,344.31	1,369.62
Granton.....	43.40	84.6	286.6	350.66	1,106.10	406.22
Gravenhurst.....	35.60	1,724.7	8,481.0	10,376.55	25,042.22	5,580.73
Grimsby.....	38.20	1,239.7	7,009.0	8,575.55	16,208.47	5,952.57
Guelph.....	33.00	16,200.8	81,802.8	100,086.17	211,817.58	77,790.12
Hagersville.....	36.60	1,238.6	4,702.8	5,753.90	16,194.09	5,947.29
Hamilton.....	32.10	180,784.3	1,057,125.1	1,293,398.36	2,363,666.81	868,057.91



## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
2,757.78	604.50	201.50	272.22	59.82	7,868.36	8,543.95	675.59
12,598.94	2,174.40	724.80	979.18	215.17	31,546.03	31,745.14	199.11
2,566.12	482.40	160.80	217.24	47.74	6,610.72	6,594.50	16.22
1,208.95	253.20	84.40	114.02	25.06	3,477.52	3,782.62	305.10
5,421.98		344.40	344.40	102.24	13,648.34	14,084.59	436.25
19,526.08	11,774.40	3,924.80	5,302.29	1,165.16	121,593.84	125,201.90	3,608.06
29,364.87	6,200.70	2,066.90	2,792.32	613.60	84,149.30	76,060.67	8,088.63
8,372.16		654.20	654.20	194.21	24,808.79	26,690.00	1,881.21
5,269.22	781.50	260.50	351.93	77.33	12,077.87	11,619.01	458.86
106,461.77	64,812.90	21,604.30	29,186.78	6,413.67	695,595.42	721,582.78	25,987.36
946.98		39.90		11.85	1,745.66	1,756.70	11.04
21,750.59	6,719.70	2,239.90	3,026.04	664.96	80,721.45	80,861.90	140.45
6,340.65		364.60	364.60	108.24	14,798.92	15,457.97	659.05
2,082.90		145.60	145.60	43.22	5,450.18	6,026.45	576.27
9,947.62	2,132.70	710.90	960.41	211.05	28,009.54	27,652.39	357.15
2,997.19	720.90	240.30	324.64	71.34	9,156.21	9,349.28	193.07
4,368.29	733.20	244.40	330.18	72.56	10,774.67	11,304.25	529.58
573.77	93.00	31.00	41.88	9.20	1,339.89	1,446.14	106.25
3,246.03		209.80	209.80	62.28	8,354.91	9,407.29	1,052.38
15,821.52	2,812.20	937.40	1,266.40	278.29	40,997.83	41,151.85	154.02
191,340.76	86,567.10	28,855.70	38,983.21	8,566.40	989,982.35	1,018,605.32	28,622.97
19,488.23	3,872.40	1,290.80	1,743.83	383.20	53,457.73	52,791.67	666.06
22,095.29	6,280.50	2,093.50	2,828.26	621.50	76,152.21	74,947.29	1,204.92
2,089.46		164.30		48.78	5,515.40	6,457.97	942.57
1,119.51		166.00	166.00	49.28	5,034.93	6,100.50	1,065.57
4,967.76	1,665.30	555.10	749.92	164.79	19,857.92	20,039.70	181.78
15,122.33	2,404.50	801.50	1,082.80	237.94	36,676.83	38,070.82	1,393.99
39,405.45	24,887.10	8,295.70	11,207.25	2,462.75	269,244.29	272,929.61	3,685.32
4,230.89		339.40		100.76	11,149.16	11,506.81	357.65
81,485.94	45,837.60	15,279.20	20,641.76	4,535.94	478,260.64	504,213.30	25,952.66
32,389.35	7,607.40	2,535.80	3,425.79	752.80	100,498.85	100,165.42	333.43
4,745.55	864.90	288.30	389.48	85.59	12,281.72	12,946.15	664.43
39,988.31	7,543.50	2,514.50	3,397.02	746.48	108,025.88	106,110.49	1,915.39
6,155.61		299.20	299.20	88.82	13,270.94	14,419.42	1,148.48
1,130.15	253.80	84.60	114.29	25.12	3,242.36	3,671.63	429.27
17,287.92		1,724.70	1,724.70	512.01	58,799.43	61,399.62	2,600.19
15,505.61	3,719.10	1,239.70	1,674.80	368.03	49,894.23	47,357.16	2,537.07
82,051.84	48,602.40	16,200.80	21,886.81	4,809.54	519,471.64	534,627.76	15,156.12
12,902.73	3,715.80	1,238.60	1,673.31	367.70	44,446.80	45,330.90	884.10
792,027.53	542,352.90	180,784.30	244,234.35	53,669.48	5,849,722.94	5,799,452.40	50,270.54

## SOUTHERN ONTARIO

## COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Hanover.....	34.80	2,253.8	8,732.1	10,683.77	32,724.62	10,316.98
Harriston.....	42.00	825.0	3,636.5	4,449.28	10,786.47	3,961.34
Harrow.....	44.20	822.0	3,371.6	4,125.17	10,747.25	3,946.93
Hastings.....	43.75	207.5	915.0	1,119.51	2,794.08	285.44
Havelock.....	44.40	307.6	1,296.6	1,586.40	4,141.97	423.14
Hensall.....	42.60	402.8	1,579.6	1,932.65	5,266.41	1,934.09
Hespeler.....	34.50	3,711.0	17,494.2	21,404.25	48,519.52	17,818.82
Highgate.....	46.90	133.5	451.6	552.54	1,745.45	641.02
Holstein.....	44.50	55.1	262.5	321.17	800.04	252.23
Huntsville.....	40.10	1,875.7	9,642.4	11,797.53	27,234.70	6,069.33
Ingersoll.....	36.10	4,133.0	17,865.9	21,859.03	54,036.97	19,845.10
Iroquois.....	40.00	465.2	2,146.4	2,626.13	6,264.13	639.94
Jarvis.....	42.80	216.5	1,044.0	1,277.34	2,830.63	1,039.55
Kemptville.....	40.10	891.3	4,227.1	5,171.88	12,001.75	1,226.09
Kincardine.....	42.90	1,207.5	5,821.3	7,122.39	17,532.60	5,527.44
Kingston.....	32.80	22,494.4	121,765.8	148,981.12	302,897.17	30,943.77
Kingsville.....	42.60	1,012.1	4,706.9	5,758.92	13,232.72	4,859.72
Kirkfield.....	44.00	51.7	171.2	209.46	750.67	167.29
Kitchener.....	33.70	36,751.1	184,397.6	225,611.48	480,502.76	176,464.90
Lakefield.....	34.40	943.3	5,027.2	6,150.81	11,568.37	1,297.62
Lambeth.....	40.40	455.3	2,051.0	2,509.41	5,952.83	2,186.18
Lanark.....	40.50	168.1	674.8	825.62	2,263.54	231.24
Lancaster.....	42.85	110.9	461.1	564.16	1,493.32	152.56
La Salle.....	45.60	583.9	2,697.0	3,299.79	7,634.21	2,803.67
Leamington.....	43.50	3,046.0	15,571.3	19,051.57	39,824.97	14,625.74
Lindsay.....	40.00	5,168.0	24,354.4	29,797.74	69,589.43	7,109.21
Listowel.....	40.00	1,939.3	8,334.4	10,197.18	25,355.40	9,311.79
London.....	34.80	46,241.3	266,470.9	326,028.61	604,582.51	222,033.25
London Twp.....	37.50	1,005.7	4,294.0	5,253.73	13,149.04	4,828.99
Long Branch.....	35.50	3,599.4	18,825.5	23,033.10	47,060.40	17,282.96
Lucan.....	40.80	369.6	1,645.4	2,013.16	4,832.34	1,774.68
Lucknow.....	44.90	492.8	2,357.6	2,884.54	7,155.34	2,255.84
Lynden.....	39.40	190.9	697.4	853.27	2,495.92	916.63
Madoc.....	42.20	541.1	2,144.0	2,623.20	7,286.15	744.35
Magnetawan.....	49.60	42.7	165.0	201.88	619.99	138.17
Markdale.....	39.00	346.8	1,529.6	1,871.47	5,035.45	1,587.51
Markham.....	38.80	674.4	2,982.6	3,649.23	8,817.45	3,238.21
Marmora.....	46.25	297.0	1,316.0	1,610.13	3,999.24	408.56
Martintown.....	38.10	80.1	271.4	332.06	1,078.58	110.19
Maxville.....	42.00	225.0	824.8	1,009.15	3,029.73	309.51

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
19,845.41		2,253.80	2,253.80	669.09	74,239.87	78,431.37	4,191.50
10,264.71	2,475.00	825.00	1,114.55	244.92	31,892.17	34,648.25	2,756.08
13,543.67	2,466.00	822.00	1,110.50	244.03	34,784.55	36,331.67	1,547.12
3,553.55		207.50		61.60	8,021.68	9,075.94	1,054.26
5,868.68		307.60		91.32	12,419.11	13,658.55	1,239.44
5,520.71	1,208.40	402.80	544.17	119.58	15,840.47	17,160.34	1,319.87
23,526.70	11,133.00	3,711.00	5,013.45	1,101.69	122,201.53	128,028.04	5,826.51
2,920.30	400.50	133.50	180.35	39.63	6,252.59	6,262.31	9.72
820.31		55.10	55.10	16.36	2,210.11	2,451.21	241.10
27,943.09		1,875.70	1,875.70	556.84	73,601.49	75,216.22	1,614.73
40,004.94	12,399.00	4,133.00	5,583.56	1,226.96	147,921.44	149,201.88	1,280.44
7,642.36		465.20		138.10	17,775.86	18,606.33	830.47
2,884.50	649.50	216.50	292.48	64.27	8,669.81	9,266.56	596.75
12,195.70		891.30		264.60	31,751.32	35,741.12	3,989.80
21,610.93		1,207.50	1,207.50	358.47	52,151.83	51,802.44	349.39
144,387.23		22,494.40		6,677.92	656,381.61	737,816.33	81,434.72
13,231.65	3,036.30	1,012.10	1,367.32	300.46	40,064.55	43,114.73	3,050.18
887.99		51.70	51.70	15.35	2,030.76	2,275.16	244.40
197,215.66	110,253.30	36,751.10	49,649.67	10,910.31	1,188,059.84	1,238,510.92	50,451.08
7,154.30		943.30		280.04	27,394.44	32,449.24	5,054.80
4,356.12	1,365.90	455.30	615.10	135.17	16,345.81	18,395.13	2,049.32
2,327.87		168.10		49.90	5,866.27	6,808.73	942.46
1,375.14		110.90		32.92	3,729.00	4,752.07	1,023.07
10,402.02	1,751.70	583.90	788.83	173.34	25,859.80	26,625.46	765.66
43,871.24	9,138.00	3,046.00	4,115.06	904.27	126,346.73	132,500.99	6,154.26
63,920.64		5,168.00		1,534.23	177,119.25	206,718.33	29,599.08
25,223.28	5,817.90	1,939.30	2,619.94	575.72	75,800.63	77,569.99	1,769.36
312,885.56	138,723.90	46,241.30	62,470.66	13,727.67	1,601,752.14	1,609,197.53	7,445.39
8,680.29	3,017.10	1,005.70	1,358.67	298.56	34,874.74	37,714.37	2,839.63
24,744.31	10,798.20	3,599.40	4,862.68	1,068.55	122,724.24	127,778.70	5,054.46
6,803.52	1,108.80	369.60	499.32	109.72	16,512.50	15,078.66	1,433.84
8,512.89		492.80	492.80	146.30	20,954.91	22,124.82	1,169.91
2,279.52	572.70	190.90	257.90	56.67	7,107.71	7,522.79	415.08
8,960.04		541.10		160.64	20,315.48	22,835.47	2,519.99
1,057.35		42.70	42.70	12.68	2,030.07	2,116.69	86.62
4,874.07		346.80	346.80	102.95	13,471.45	13,523.22	51.77
9,141.59	2,023.20	674.40	911.09	200.21	26,833.20	26,166.06	667.14
5,687.69		297.00		88.17	12,090.79	13,738.17	1,647.38
902.29		80.10		23.78	2,527.00	3,050.20	523.20
3,458.10		225.00		66.80	8,098.29	9,451.75	1,353.46



**SOUTHERN ONTARIO**  
**COST OF POWER, AMOUNT BILLED AT INTERIM RATES,**  
**For the Year**

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Meaford.....	40.20	1,438.7	6,213.6	7,602.37	20,889.57	6,585.78
Merlin.....	44.20	166.0	635.6	777.66	2,170.37	797.07
Merrickville.....	32.05	336.9	1,386.0	1,695.78	4,131.36	463.45
Merriton.....	32.25	12,085.7	66,775.1	81,699.70	158,014.65	58,030.97
Midland.....	34.60	5,523.6	24,891.7	30,455.13	80,201.32	17,873.08
Mildmay.....	42.10	285.8	1,213.7	1,484.97	4,149.75	1,308.28
Millbrook.....	46.20	227.9	998.1	1,221.18	3,068.78	313.50
Milton.....	35.80	2,263.9	9,021.6	11,037.98	29,599.39	10,870.39
Milverton.....	40.90	671.4	2,258.4	2,763.16	8,778.23	3,223.81
Mimico.....	33.00	4,384.7	22,350.7	27,346.20	57,327.82	21,053.67
Mitchell.....	38.20	1,123.8	5,341.7	6,535.60	14,693.14	5,396.06
Moorefield.....	41.35	101.2	394.6	482.80	1,323.14	485.92
Morrisburg.....	40.70	718.7	3,576.3	4,375.62	9,677.62	988.66
Mount Brydges.....	43.90	190.2	776.0	949.44	2,486.77	913.27
Mount Forest.....	41.90	1,007.1	4,082.4	4,994.84	14,622.85	4,610.09
Napanee.....	39.70	2,068.2	9,837.6	12,036.36	27,849.24	2,845.06
Neustadt.....	40.15	143.9	583.2	713.55	2,089.39	658.72
Newboro.....	40.20	57.3	195.4	239.07	771.57	78.82
Newburgh.....	42.10	120.4	437.7	535.53	1,621.24	165.62
Newbury.....	48.45	77.1	322.8	394.95	1,008.05	370.21
Newcastle.....	41.00	458.3	1,976.0	2,417.65	6,171.21	630.45
New Hamburg.....	38.80	923.3	3,502.8	4,285.70	12,071.70	4,433.34
Newmarket.....	37.15	2,930.8	13,367.9	16,355.70	38,318.78	14,072.59
New Toronto.....	35.10	12,346.9	66,475.7	81,333.38	161,429.71	59,285.15
Niagara.....	31.80	1,265.8	6,813.9	8,336.84	12,919.82	6,077.89
Niagara Falls.....	29.10	13,042.0	70,362.7	86,089.15	154,138.89	62,622.76
North York Twp.....	35.10	43,921.5	233,670.4	285,897.02	574,252.25	226,624.55
Norwich.....	38.80	677.3	2,923.2	3,576.55	8,855.37	3,252.14
Norwood.....	42.70	340.4	1,504.0	1,840.15	4,583.64	468.26
Oakville.....	36.80	3,814.4	18,520.7	22,660.18	49,871.43	18,315.31
Oil Springs.....	49.30	181.0	1,065.4	1,303.52	2,366.49	869.09
Omeme.....	42.70	212.5	946.2	1,157.68	2,861.41	292.32
Orangeville.....	42.80	1,430.3	6,563.4	8,030.36	20,767.61	6,547.33
Orono.....	42.65	213.7	864.0	1,057.11	2,877.57	293.97
Oshawa.....	36.80	29,776.4	147,668.5	180,673.22	400,952.56	40,961.05
Ottawa.....	28.00	64,758.8	321,080.0	392,843.14	849,600.04	89,083.58
Otterville.....	41.50	200.5	939.4	1,149.36	2,621.44	962.73
Owen Sound.....	36.10	8,780.2	38,931.8	47,633.27	127,486.35	40,192.18
Paisley.....	44.00	254.0	1,056.0	1,292.02	3,688.02	1,162.71
Palmerston.....	40.70	791.8	3,931.2	4,809.84	10,352.40	3,801.92

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs, including trans-formation, transmission, and distribution	Frequency standard-ization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
20,154.17		1,438.70	1,438.70	427.11	55,659.00	57,833.68	2,174.68
2,809.36	498.00	166.00	224.26	49.28	7,043.48	7,336.83	293.35
3,474.08		336.90		100.02	10,201.59	10,796.30	594.71
55,820.00	36,257.10	12,085.70	16,327.43	3,587.88	389,168.57	389,763.29	594.72
55,370.38		5,523.60	5,523.60	1,639.79	185,539.70	191,115.11	5,575.41
3,443.66		285.80	285.80	84.85	10,471.51	12,030.42	1,558.91
3,632.76		227.90		67.66	8,531.78	10,528.93	1,997.15
23,386.84	6,791.70	2,263.90	3,058.46	672.08	81,563.82	81,048.81	515.01
10,293.48	2,014.20	671.40	907.04	199.32	27,036.56	27,461.60	425.04
22,660.77	13,154.10	4,384.70	5,923.60	1,301.69	141,305.35	144,694.25	3,388.90
12,357.62	3,371.40	1,123.80	1,518.22	333.62	42,293.02	42,927.55	634.53
1,257.57	303.60	101.20	136.72	30.04	3,847.55	4,186.34	338.79
10,596.02		718.70		213.36	26,569.98	29,251.42	2,681.44
2,426.71	570.60	190.20	256.95	56.46	7,336.50	8,351.60	1,015.10
13,128.29		1,007.10	1,007.10	298.98	37,655.05	42,195.38	4,540.33
31,241.90		2,068.20		613.99	76,654.75	82,107.52	5,452.77
1,734.88		143.90	143.90	42.72	5,239.26	5,776.23	536.97
651.69		57.30		17.01	1,815.46	2,301.43	485.97
1,743.78		120.40		35.74	4,222.31	5,069.87	847.56
1,495.58	231.30	77.10	104.16	22.89	3,495.92	3,735.09	239.17
7,294.97		458.30		136.06	17,108.64	18,788.94	1,680.30
12,191.98	2,769.90	923.30	1,247.35	274.10	35,702.67	35,822.43	119.76
21,617.89	8,792.40	2,930.80	3,959.43	870.07	98,998.80	108,879.83	9,881.03
74,863.17	37,040.70	12,346.90	16,680.30	3,665.43	413,284.14	433,377.35	20,093.21
5,986.32	3,797.40	1,265.80	1,710.06	375.78	37,049.79	40,252.43	3,202.64
29,919.67	39,126.00	13,042.00	17,619.36	3,871.78	371,190.89	379,521.94	8,331.05
265,457.87	131,764.50	43,921.50	59,336.67	13,038.99	1,481,620.01	1,541,645.80	60,025.79
8,889.41	2,031.90	677.30	915.01	201.07	26,568.73	26,277.29	291.44
6,067.36		340.40		101.05	13,400.86	14,536.85	1,135.99
31,966.80	11,443.20	3,814.40	5,153.14	1,132.38	134,050.56	140,369.00	6,318.44
3,460.73	543.00	181.00	244.53	53.73	8,533.03	8,924.91	391.88
3,090.97		212.50		63.08	7,677.96	9,074.44	1,396.48
24,595.20		1,430.30	1,430.30	424.61	60,365.11	61,216.13	851.02
3,063.04		213.70		63.44	7,568.83	9,113.23	1,544.40
255,473.59		29,776.40		8,839.73	916,676.55	1,095,772.74	170,096.19
301,176.38		64,758.80		19,224.96	1,716,686.90	1,813,247.57	96,560.67
2,457.83	601.50	200.50	270.87	59.52	7,782.01	8,322.46	540.45
64,451.42		8,780.20	8,780.20	2,606.58	282,369.80	316,966.13	34,596.33
4,299.15		254.00	254.00	75.41	10,517.31	11,177.09	659.78
7,914.21	2,375.40	791.80	1,069.70	235.06	29,210.93	32,225.90	3,014.97

## SOUTHERN ONTARIO

**COST OF POWER, AMOUNT BILLED AT INTERIM RATES,**  
**For the Year**

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Paris.....	34.30	2,438.7	11,085.7	13,563.41	31,884.82	11,709.72
Parkhill.....	45.70	461.5	1,996.2	2,442.36	6,033.89	2,215.95
Parry Sound.....	42.05	724.1	2,888.0	3,533.48	10,513.75	2,343.02
Penetanguishene.....	36.30	1,553.7	7,439.2	9,101.90	22,559.34	5,027.41
Perth.....	35.50	2,462.5	10,192.0	12,469.97	33,158.67	3,387.47
Peterborough.....	32.80	23,514.1	121,014.5	148,061.91	316,627.88	32,346.50
Petrolia.....	46.25	1,055.1	5,666.1	6,932.50	13,794.92	5,066.19
Pictou.....	38.80	2,171.9	10,609.5	12,980.78	29,245.61	2,987.71
Plattsville.....	42.10	291.7	925.4	1,132.23	3,813.84	1,400.63
Point Edward.....	41.85	2,593.0	9,592.8	11,736.84	33,902.21	12,450.61
Port Colborne.....	35.50	3,525.6	19,809.3	24,236.79	46,095.51	16,928.60
Port Credit.....	36.10	2,032.1	11,308.4	13,835.89	26,568.72	9,757.38
Port Dalhousie.....	35.25	1,187.8	6,902.4	8,445.12	15,529.91	5,703.37
Port Dover.....	40.00	872.4	4,315.2	5,279.67	11,406.21	4,188.94
Port Elgin.....	45.50	742.2	3,276.0	4,008.20	10,776.56	3,397.49
Port Hope.....	40.80	4,401.9	21,658.4	26,499.17	59,273.55	6,055.35
Port McNicoll.....	35.00	1,241.6	2,814.0	3,442.94	18,027.73	4,017.53
Port Perry.....	41.00	596.3	2,630.9	3,218.92	8,658.13	1,929.49
Port Rowan.....	44.90	175.4	715.6	875.54	2,293.27	842.20
Port Stanley.....	41.40	755.2	3,930.8	4,809.36	9,873.87	3,626.19
Prescott.....	38.70	1,625.2	7,157.0	8,756.63	21,884.05	2,235.66
Preston.....	32.60	6,010.1	23,813.6	29,136.07	78,579.13	28,858.23
Priceville.....	49.31	18.7	66.5	81.36	271.52	85.60
Princeton.....	43.40	161.6	666.8	815.83	2,112.84	775.94
Queenston.....	32.80	209.0	1,054.8	1,290.55	2,444.00	1,003.54
Renfrew.....	38.05	1,764.8	7,500.7	9,177.15	23,763.82	2,427.70
Richmond.....	37.90	198.7	814.4	996.42	2,675.58	273.34
Richmond Hill.....	37.40	1,084.2	5,313.8	6,501.46	14,175.39	5,205.92
Ridgetown.....	44.50	692.6	3,241.7	3,966.24	9,055.41	3,325.60
Ripley.....	45.75	164.1	664.4	812.90	2,382.69	751.18
Riverside.....	41.50	2,863.4	14,623.0	17,891.32	37,437.56	13,748.97
Rockwood.....	40.20	244.1	1,070.6	1,309.88	3,191.49	1,172.08
Rodney.....	47.50	242.5	1,150.8	1,408.01	3,170.57	1,164.39
Rosseau.....	43.25	49.6	181.6	222.19	720.18	160.49
Russell.....	38.45	139.4	548.5	671.09	1,877.08	191.76
St. Catharines.....	31.40	32,609.4	157,046.5	192,147.26	423,352.05	156,578.02
St. Clair Beach.....	43.60	193.5	856.8	1,043.30	2,529.92	929.11
St. George.....	39.30	249.5	1,010.0	1,235.74	3,262.09	1,198.00
St. Jacobs.....	36.10	379.8	1,528.0	1,869.52	4,965.70	1,823.66
St. Mary's.....	36.70	2,215.9	10,920.3	13,361.05	23,971.81	10,339.91



## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
15,365.73	7,316.10	2,438.70	3,294.61	723.98	79,707.85	83,645.97	3,938.12
7,308.27	1,384.50	461.50	623.47	137.01	19,360.01	21,090.93	1,730.92
12,519.86		724.10	724.10	214.96	29,125.07	30,450.14	1,325.07
21,099.97		1,553.70	1,553.70	461.25	58,249.87	56,399.59	1,850.28
26,556.34		2,462.50		731.04	78,765.99	87,418.43	8,652.44
179,120.32		23,514.10		6,980.64	706,651.35	771,262.47	64,611.12
18,244.14	3,165.30	1,055.10	1,425.41	313.23	47,145.97	48,797.20	1,651.23
28,384.10		2,171.90		644.77	76,414.87	84,269.07	7,854.20
4,498.53	875.10	291.70	394.08	86.60	11,704.55	12,281.62	577.07
28,894.25	7,779.00	2,593.00	3,503.07	769.78	94,622.62	108,517.04	13,894.42
25,717.82	10,576.80	3,525.60	4,762.98	1,046.65	123,364.79	125,157.00	1,792.21
15,691.29	6,096.30	2,032.10	2,745.31	603.27	71,839.64	73,359.12	1,519.48
10,408.28	3,563.40	1,187.80	1,604.68	352.62	43,585.82	41,868.77	1,717.05
10,127.19	2,617.20	872.40	1,178.59	258.99	33,572.01	34,896.04	1,324.03
13,396.74		742.20	742.20	220.34	31,799.33	33,771.98	1,972.65
68,767.03		4,401.90		1,306.79	166,303.79	179,595.82	13,292.03
14,717.25		1,241.60	1,241.60	368.59	40,574.04	43,454.83	2,880.79
9,638.95		596.30	596.30	177.02	23,622.51	24,448.30	825.79
2,881.96	526.20	175.40	236.96	52.07	7,409.68	7,874.29	464.61
11,084.75	2,265.60	755.20	1,020.25	224.20	31,618.92	31,264.57	354.35
23,615.66		1,625.20		482.47	58,599.67	62,894.58	4,294.91
32,501.38	18,030.30	6,010.10	8,119.47	1,784.22	186,779.96	195,929.79	9,149.83
373.81		18.70	18.70	5.55	817.84	922.08	104.24
2,406.32	484.80	161.60	218.32	47.97	6,586.98	7,011.63	424.65
1,101.78	627.00	209.00	282.35	62.05	6,455.57	6,854.63	399.06
20,668.85		1,764.80		523.92	58,326.24	67,150.95	8,824.71
1,713.54		198.70		58.99	5,916.57	7,529.14	1,612.57
13,280.58	3,252.60	1,084.20	1,464.72	321.87	42,357.30	40,549.38	1,807.92
12,918.22	2,077.80	692.60	935.68	205.61	31,305.80	30,822.15	483.65
2,977.07		164.10	164.10	48.72	6,972.56	7,507.19	534.63
39,734.16	8,590.20	2,863.40	3,868.37	850.06	117,247.30	118,831.09	1,583.79
3,455.07	732.30	244.10	329.77	72.47	9,847.62	9,813.79	33.83
5,392.97	727.50	242.50	327.61	71.99	11,850.32	11,517.15	333.17
824.06		49.60	49.60	14.72	1,941.64	2,146.27	204.63
1,294.88		139.40		41.38	4,215.59	5,360.56	1,144.97
150,804.08	97,828.20	32,609.40	44,054.35	9,680.76	1,021,945.42	1,023,934.36	1,988.94
2,914.39	580.50	193.50	261.41	57.44	7,991.75	8,436.23	444.48
3,108.00	748.50	249.50	337.07	74.07	9,538.83	9,806.32	267.49
5,184.66	1,139.40	379.80	513.10	112.75	14,962.39	13,711.06	1,251.33
13,926.88	6,647.70	2,215.90	2,993.62	657.83	73,427.46	81,321.70	7,894.24

## SOUTHERN ONTARIO

## COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
St. Thomas.....	36.10	9,230.3	51,202.2	62,646.17	120,681.68	44,320.41
Sarnia.....	40.60	17,835.4	110,204.8	134,836.18	233,189.18	85,638.85
Scarborough Twp.....	36.10	24,267.3	129,405.5	158,328.34	317,283.15	116,522.41
Seaforth.....	37.35	1,102.7	4,721.9	5,777.27	14,417.27	5,294.75
Shelburne.....	44.40	537.9	2,248.0	2,750.44	7,810.18	2,462.29
Simcoe.....	34.40	3,767.0	18,002.3	22,025.91	49,251.69	18,087.71
Smith's Falls.....	33.60	4,485.2	20,323.8	24,866.28	60,395.23	6,169.94
Smithville.....	37.20	395.1	1,404.8	1,718.78	5,165.74	1,897.12
Southampton.....	44.90	807.1	3,521.5	4,308.57	11,718.89	3,694.58
Springfield.....	43.70	131.2	577.0	705.96	1,715.38	629.97
Stamford Twp.....	28.40	6,761.8	34,134.6	41,763.87	79,723.17	32,467.61
Stayner.....	38.20	525.7	2,181.2	2,668.71	7,633.04	1,701.04
Stirling.....	34.30	566.1	2,369.4	2,898.97	7,622.79	778.74
Stoney Creek.....	34.90	871.3	4,388.6	5,369.48	11,391.82	4,183.65
Stouffville.....	39.50	866.6	3,424.0	4,189.28	11,330.37	4,161.09
Stratford.....	35.00	10,139.3	51,725.5	63,286.43	132,566.42	48,685.09
Strathroy.....	38.85	1,992.7	9,985.5	12,217.31	26,053.58	9,568.19
Streetsville.....	36.80	858.3	3,972.5	4,860.38	11,221.86	4,121.23
Sunderland.....	41.50	244.3	888.0	1,086.47	3,547.18	790.50
Sundridge.....	52.20	68.0	175.3	214.48	987.34	220.03
Sutton.....	42.50	586.2	2,592.8	3,172.31	7,664.28	2,814.71
Swansea.....	36.70	3,818.9	20,723.5	25,355.32	49,930.26	18,336.92
Tara.....	44.90	206.3	791.9	968.89	2,995.43	944.36
Tavistock.....	38.00	794.5	3,265.1	3,994.87	10,387.70	3,814.89
Tecumseh.....	42.90	807.9	3,971.2	4,858.79	10,562.90	3,879.23
Teeswater.....	44.90	302.1	1,429.6	1,749.12	4,386.42	1,382.89
Thamesford.....	40.75	326.2	1,344.0	1,644.39	4,264.91	1,566.29
Thamesville.....	43.70	423.0	1,662.4	2,033.96	5,530.52	2,031.09
Thedford.....	48.00	233.0	1,017.1	1,244.43	3,046.36	1,118.78
Thornbury.....	45.15	304.2	951.8	1,164.53	4,416.91	1,392.50
Thorndale.....	41.40	168.6	631.4	772.52	2,204.36	809.55
Thornton.....	38.55	64.3	212.8	260.36	933.62	208.06
Thorold.....	34.70	5,176.8	31,385.6	38,400.45	67,684.14	24,857.04
Tilbury.....	42.70	1,151.3	5,240.3	6,411.54	15,052.69	5,528.11
Tillsonburg.....	37.20	2,666.9	11,963.6	14,637.53	34,868.42	12,805.45
Toronto.....	33.10	404,527.5	2,320,219.0	2,838,800.70	5,289,000.36	2,119,905.34
Toronto Twp.....	36.10	10,724.0	55,132.1	67,454.43	140,211.08	51,492.60
Tottenham.....	43.75	213.7	927.9	1,135.29	3,102.87	691.48
Trafalgar Twp.....	37.90	1,926.6	8,948.7	10,948.78	25,189.36	9,250.81
Trenton.....	29.70	7,019.3	36,083.2	44,147.99	89,311.77	9,655.90

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transformation, transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
63,632.75	27,690.90	9,230.30	12,469.87	2,740.20	318,472.54	333,213.81	14,741.27
159,287.49	53,506.20	17,835.40	24,095.11	5,294.80	665,492.99	724,117.89	58,624.90
157,599.14	72,801.90	24,267.30	32,784.42	7,204.24	821,222.06	876,050.72	54,828.66
8,039.57	3,308.10	1,102.70	1,489.72	327.36	36,777.30	41,184.29	4,406.99
9,887.95		537.90	537.90	159.69	23,070.55	23,884.61	814.06
23,380.74	11,301.00	3,767.00	5,089.11	1,118.31	123,843.25	129,584.51	5,741.26
30,300.66		4,485.20		1,331.52	127,548.83	150,702.44	23,153.61
5,179.01	1,185.30	395.10	533.77	117.29	15,124.57	14,697.72	426.85
14,120.00		807.10	807.10	239.60	34,081.64	36,238.40	2,156.76
1,765.67	393.60	131.20	177.25	38.95	5,203.48	5,731.96	528.48
15,729.12	20,285.40	6,761.80	9,135.00	2,007.38	189,603.35	192,035.60	2,432.25
7,804.93		525.70	525.70	156.06	19,963.78	20,083.00	119.22
5,946.91		566.10		168.06	17,981.57	19,415.78	1,434.21
7,090.39	2,613.90	871.30	1,177.10	258.66	30,602.10	30,408.35	193.75
10,943.78	2,599.80	866.60	1,170.75	257.27	33,177.44	34,230.02	1,052.58
60,389.13	30,417.90	10,139.30	13,697.90	3,010.06	334,796.43	354,874.32	20,077.89
15,501.81	5,978.10	1,992.70	2,692.08	591.57	69,211.18	77,417.68	8,206.50
7,235.17	2,574.90	858.30	1,159.54	254.80	29,967.10	31,585.74	1,618.64
3,927.28		244.30	244.30	72.53	9,423.96	10,140.16	716.20
1,799.05		68.00	68.00	20.19	3,241.09	3,546.99	305.90
7,526.91	1,758.60	586.20	791.94	174.03	22,905.10	24,912.79	2,007.69
20,626.12	11,456.70	3,818.90	5,159.22	1,133.72	125,498.72	140,153.90	14,655.18
3,438.43		206.30	206.30	61.24	8,408.35	9,261.72	853.37
9,139.51	2,383.50	794.50	1,073.35	235.86	29,677.48	30,191.96	514.48
12,345.63	2,423.70	807.90	1,091.45	239.84	34,026.54	34,658.91	632.37
5,558.63		302.10	302.10	89.68	13,166.74	13,564.66	397.92
5,502.95	978.60	326.20	440.69	96.84	13,939.49	12,902.02	1,037.47
8,469.40	1,269.00	423.00	571.46	125.58	19,311.09	18,484.71	826.38
4,408.37	699.00	233.00	314.78	69.17	10,504.33	11,185.20	680.87
4,610.18		304.20	304.20	90.31	11,674.43	13,733.51	2,059.08
2,241.24	505.80	168.60	227.77	50.05	6,524.35	6,980.37	456.02
743.74		64.30	64.30	19.09	2,164.87	2,480.04	315.17
24,251.93	15,530.40	5,176.80	6,993.71	1,536.84	170,443.89	179,634.07	9,190.18
21,263.39	3,453.90	1,151.30	1,555.37	341.79	51,647.35	49,160.13	2,487.22
17,496.69	8,000.70	2,666.90	3,602.90	791.72	87,664.51	99,206.82	11,542.31
1,721,705.56	1,213,582.50	404,527.50	546,504.93	120,092.18	13,161,109.21	13,389,859.08	228,749.87
69,408.66	32,172.00	10,724.00	14,487.81	3,183.64	360,158.60	387,136.40	26,977.80
3,680.73		213.70	213.70	63.44	8,673.81	9,349.72	675.91
23,444.97	5,779.80	1,926.60	2,602.78	571.95	74,509.49	73,016.23	1,493.26
36,657.71		7,019.30		2,083.82	188,876.49	208,474.16	19,597.67



## SOUTHERN ONTARIO

## COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

Municipality	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Tweed .....	45.00	610.3	2,520.9	3,084.33	8,217.96	839.54
Uxbridge .....	42.40	722.3	3,257.0	3,984.96	10,487.62	2,337.19
Victoria Harbour .....	44.60	169.6	700.0	856.45	2,462.55	548.79
Walkerton .....	35.50	1,568.5	6,350.4	7,769.75	22,545.73	7,179.95
Wallaceburg .....	39.50	7,084.0	37,084.4	45,372.97	92,619.85	34,014.69
Wardsville .....	48.70	106.9	463.0	566.48	1,397.67	513.29
Warkworth .....	41.70	154.9	594.8	727.74	2,085.80	213.08
Waterdown .....	37.50	558.8	2,593.6	3,173.28	7,306.04	2,683.15
Waterford .....	37.50	625.7	2,673.0	3,270.43	8,180.72	3,004.38
Waterloo .....	33.40	8,615.0	39,370.2	48,169.66	112,636.94	41,365.98
Watford .....	42.45	618.6	2,395.2	2,930.54	8,087.89	2,970.28
Waubashene .....	40.45	196.8	822.0	1,005.72	2,857.49	636.80
Welland .....	31.40	12,218.5	60,466.7	73,981.34	159,750.95	58,668.62
Wellesley .....	41.10	246.5	900.6	1,101.89	3,222.87	1,183.60
Wellington .....	40.00	389.8	1,522.1	1,862.30	5,248.83	536.22
West Lorne .....	43.50	704.6	2,549.6	3,119.45	9,212.30	3,383.22
Weston .....	34.10	6,082.6	31,271.3	38,260.61	79,527.04	31,785.11
Westport .....	40.85	202.7	836.4	1,023.34	2,729.45	278.84
Wheatley .....	46.90	451.0	1,883.7	2,304.72	5,896.61	2,165.53
Whitby .....	36.10	2,508.7	12,850.4	15,722.54	33,780.76	3,451.02
Warton .....	46.70	647.2	3,469.6	4,245.07	9,397.19	2,962.62
Williamsburg .....	43.20	145.4	607.6	743.40	1,957.88	200.02
Winchester .....	39.30	629.4	2,707.5	3,312.64	8,475.15	865.82
Windermere .....	40.75	96.6	343.4	420.15	1,402.61	312.58
Windsor .....	37.70	61,856.3	304,097.3	372,064.72	808,741.04	297,010.58
Wingham .....	42.60	1,199.6	6,167.0	7,545.41	17,417.90	5,491.28
Woodbridge .....	35.00	1,519.5	7,833.6	9,584.45	19,866.72	7,959.66
Woodstock .....	33.80	10,162.7	51,408.5	62,898.58	132,872.36	48,797.45
Woodville .....	46.80	132.0	491.4	601.23	1,916.61	427.13
Wyoming .....	45.15	210.8	754.5	923.13	2,756.11	1,012.18
York Twp. ....	32.90	34,399.3	188,714.3	230,892.98	449,754.12	179,790.77
Zurich .....	45.30	234.6	854.7	1,045.73	3,067.28	1,126.46
Ontario Central Reformatory ..	36.10	322.6	1,485.5	1,817.52	4,217.84	1,549.00
Total—Municipalities .....		1,574,381.4	8,354,030.9	10,221,202.68	20,695,623.63	6,959,232.78
Total—Rural Power District .....		251,354.3	1,169,904.4	1,431,384.46	3,350,452.31	991,373.81
Total—Companies .....		590,943.6	5,021,977.0	5,209,580.92	7,748,663.98	2,517,307.98
Total—Local Distribution Systems .....		4,333.8	21,307.9	26,070.32	58,691.76	9,903.79
Grand Total .....		2,421,013.1	14,567,220.2	16,888,238.38	31,853,431.68	10,477,818.36

## SYSTEM

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges							
Divisional costs including transmission, and distribution	Frequency standardization interest and portion of cost written off	Provision for contingencies	Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$	\$
10,603.74		610.30		181.18	23,537.05	27,463.85	3,926.80
12,034.68		722.30	722.30	214.43	29,058.88	30,623.39	1,564.51
3,232.82		169.60	169.60	50.35	7,150.96	7,563.03	412.07
15,950.17		1,568.50	1,568.50	465.64	53,911.24	55,683.22	1,771.98
72,397.84	21,252.00	7,084.00	9,570.28	2,103.03	265,274.10	279,816.02	14,541.92
2,082.73	320.70	106.90	144.42	31.74	4,875.09	5,208.03	332.94
2,283.80		154.90		45.99	5,511.31	6,461.06	949.75
5,455.00	1,676.40	558.80	754.92	165.89	20,263.64	20,956.55	692.91
6,906.38	1,877.10	625.70	845.30	185.75	23,205.16	23,465.30	260.14
50,687.92	25,845.00	8,615.00	11,638.62	2,557.54	278,239.42	287,740.15	9,500.73
9,011.34	1,855.80	618.60	835.71	183.64	24,822.38	26,258.86	1,436.48
3,338.07		196.80	196.80	58.42	7,896.50	7,959.54	63.04
62,068.53	36,655.50	12,218.50	16,506.84	3,627.31	390,463.91	383,660.62	6,803.29
3,283.88	739.50	246.50	333.01	73.18	9,518.41	10,131.47	613.06
5,938.48		389.80		115.72	14,091.35	15,590.67	1,499.32
14,825.62	2,113.80	704.60	951.89	209.17	32,616.27	30,650.45	1,965.82
34,874.43	18,247.80	6,082.60	8,217.42	1,805.74	202,365.91	207,417.80	5,051.89
2,469.54		202.70		60.18	6,764.05	8,278.59	1,514.54
8,405.99	1,353.00	451.00	609.29	133.89	20,101.45	21,153.47	1,052.02
25,385.51		2,508.70		744.76	81,593.29	90,564.66	8,971.37
9,611.01		647.20	647.20	192.13	26,408.02	30,224.23	3,816.21
2,464.22		145.40		43.16	5,554.08	6,282.72	728.64
9,070.67		629.40		186.85	22,540.53	24,736.72	2,196.19
1,262.90		96.60	96.60	28.68	3,426.92	3,937.82	510.90
607,976.07	185,568.90	61,856.30	83,566.07	18,363.30	2,268,014.84	2,331,986.28	63,971.44
18,742.27		1,199.60	1,199.60	356.13	49,552.99	51,101.51	1,548.52
14,397.27	4,558.50	1,519.50	2,052.80	451.09	56,284.39	53,182.78	3,101.61
60,173.84	30,488.10	10,162.70	13,729.51	3,017.00	334,680.52	343,499.81	8,819.29
2,537.98		132.00	132.00	39.19	5,522.14	6,178.77	656.63
3,856.64	632.40	210.80	284.78	62.58	9,169.06	9,518.33	349.27
149,096.44	103,197.90	34,399.30	46,472.46	10,212.13	1,110,871.18	1,131,738.32	20,867.14
3,833.71	703.80	234.60	316.94	69.65	9,764.29	10,627.75	863.46
1,911.75	967.80	322.60	435.82	95.77	10,446.46	11,644.33	1,197.87
10,113,977.00	3,882,453.00	1,574,381.40	1,806,594.86	467,387.00	52,107,662.63	53,908,607.07	1,800,944.44
2,884,829.59	489,199.80	251,354.30	255,290.65	74,619.61	9,217,923.23	9,217,923.23	
3,008,649.10	2,928,758.32	590,943.60		631,162.27	21,372,751.63	21,372,751.63	
148,917.05	2,237.10	7,934.80		89,145.66	342,900.48	342,900.48	
16,156,372.74	7,302,648.22	2,424,614.10	2,061,885.51		83,041,237.97	84,842,182.41	1,800,944.44

## Notes on Cost of Power Statement

## SOUTHERN ONTARIO SYSTEM

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$75,375,861.16 as follows:—

Power supply—based on energy.....	\$16,888,238.38
—based on peak load.....	31,853,431.68
Bulk transmission.....	10,477,818.36
Divisional costs including transformation, transmission, and distribution.....	16,156,372.74
	<u>\$75,375,861.16</u>

This total includes the following items of cost shown in the statement of operations:—

Cost of power purchased.....	\$13,102,985.12
Interchange of power with Northern Ontario Properties.....	301,165.74
Operating, maintenance and administrative expenses.....	24,510,214.34
Interest.....	24,147,336.54
Provision for depreciation.....	6,570,514.26
Provision for sinking fund.....	6,743,645.16
	<u>\$75,375,861.16</u>

2. Frequency standardization interest and portion of cost written off are as follows:—

Interest.....	\$948,355.22
Portion of cost written off.....	6,354,293.00
	<u>\$7,302,648.22</u>

This represents a charge to all customers in the Niagara Division at the rate of \$3 per kilowatt on the average monthly peak load supplied amounting to \$5,852,498.10, and an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$1,450,150.12. The latter amount is included in the \$2,928,758.32 shown as charged to companies.

3. The provision for contingencies consists of a charge of \$1 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System and \$3,601 additional for the distribution facilities of the local systems. In 1951 and prior years the "normal" provision for contingencies was based on the book value of the fixed assets in service, and this provision was included under the category "Share of power purchased, operating costs, and fixed charges". The 1952 provision of \$1 per kilowatt aggregates approximately the same amount as a provision computed on the basis followed in prior years.

4. The withdrawal of \$2,061,885.51 from stabilization of rates reserve was credited as follows: (a) \$1,968,658.71 to all municipal customers and the Rural Power District in the Niagara Division at the rate of \$1.35 per kilowatt of the average monthly peak load supplied, and (b) \$93,226.80 to all municipal customers and the Rural Power District in the Georgian Bay Division at the rate of \$1 per kilowatt of the average monthly peak load supplied.

5. The method of allocating the cost of power supplied to each customer, which was adopted in 1951, was followed in 1952 with the following exceptions:—

(a) The provision for contingencies was computed in relation to the peak load supplied, as mentioned in note 3 above, rather than as a percentage of the fixed assets in service.

(b) The allocation of the costs of low-voltage lines was made on the basis of an average rate per kilowatt per mile rather than as a variable charge dependent upon the size of the load.

6. Interchange of power between the Southern Ontario System and Northern Ontario Properties shown in the statement of operations amounting to \$301,166 represents the cost of 123,928,000 kilowatt-hours of energy transferred to the Southern Ontario System, less the cost of 18,128,500 kilowatt-hours of energy transferred to the Northern Ontario Properties. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange.



## SOUTHERN ONTARIO SYSTEM

## SINKING FUND

Statement showing amount paid as part of the cost of power by each municipality, together with the proportionate share of other sinking funds provided out of revenues of the system, and interest allowed thereon to December 31, 1952

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Acton.....	35	194,900.91	Brechin.....	33	15,462.41
Agincourt.....	29	33,162.53	Bridgeport.....	25	20,629.91
Ailsa Craig.....	32	33,687.86	Brigden.....	30	26,547.97
Alexandria.....	28	69,217.12	Brighton.....	23	39,519.82
Alliston.....	29	64,417.74	Brockville.....	32	507,391.32
Almonte.....	8	13,598.16	Bronte.....	1	1,424.57
Alvinston.....	29	33,660.23	Brussels.....	29	33,785.33
Amherstburg.....	29	149,292.75	Burford.....	32	36,075.87
Ancaster Twp.....	29	49,930.32	Burgessville.....	31	12,779.52
Apple Hill.....	28	7,611.98	Burks Falls.....	3	1,858.26
Arkona.....	26	16,154.45	Burlington.....	8	53,207.54
Arnprior.....	14	61,482.18	Caledonia.....	35	56,362.58
Arthur.....	31	44,782.11	Campbellville.....	28	7,547.27
Athens.....	24	17,166.51	Cannington.....	33	36,912.60
Aurora.....	10	51,916.33	Cardinal.....	23	23,906.23
Aylmer.....	29	124,282.89	Carleton Place.....	28	201,208.55
Ayr.....	33	38,101.35	Casselman.....	1	5.41
Baden.....	35	76,081.08	Cayuga.....	28	25,940.33
Bancroft.....	3	2,368.31	Chatham.....	32	1,001,696.62
Barrie.....	34	429,220.03	Chatsworth.....	32	12,802.23
Barry's Bay.....	3	1,358.21	Chesley.....	31	88,207.12
Bath.....	21	6,840.40	Chesterville.....	33	61,409.04
Beachville.....	35	101,605.85	Chippawa.....	31	41,939.38
Beamsville.....	16	29,314.11	Clifford.....	29	19,687.18
Beaverton.....	33	48,023.17	Clinton.....	33	117,082.58
Beeton.....	29	34,007.53	Cobden.....	17	10,440.53
Belle River.....	30	30,261.50	Cobourg.....	21	179,011.31
Belleville.....	24	555,150.36	Colborne.....	20	18,481.58
Blenheim.....	32	94,021.97	Coldwater.....	34	32,100.59
Bloomfield.....	24	17,604.19	Collingwood.....	34	337,498.40
Blyth.....	29	26,688.78	Comber.....	32	39,746.95
Bobcaygeon.....	7	6,030.40	Cookstown.....	29	13,996.14
Bolton.....	32	41,536.01	Cottam.....	26	12,666.04
Bothwell.....	32	37,450.98	Courtright.....	29	13,466.16
Bowmanville.....	21	214,520.98	Creemore.....	33	27,725.25
Bradford.....	29	48,328.26	Dashwood.....	30	21,052.94
Braeside.....	8	5,132.17	Delaware.....	32	9,651.41
Brampton.....	36	422,768.48	Delhi.....	15	37,318.81
Brantford.....	33	2,361,019.01	Deseronto.....	32	25,261.13
Brantford Twp.....	29	138,128.74	Dorchester.....	33	18,863.02

## SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES  
(continued)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Drayton.....	29	30,305.12	Hanover.....	31	197,679.35
Dresden.....	32	80,462.48	Harriston.....	31	84,551.11
Drumbo.....	33	16,712.74	Harrow.....	29	73,910.92
Dublin.....	30	12,786.39	Hastings.....	22	12,861.54
Dundalk.....	32	32,279.04	Havelock.....	24	29,542.71
Dundas.....	36	349,574.76	Hensall.....	31	41,311.19
Dunnville.....	30	165,851.10	Hespeler.....	36	310,185.40
Durham.....	32	71,925.74	Highgate.....	31	21,458.64
Dutton.....	32	45,156.47	Holstein.....	31	6,184.47
East York Twp.....	28	923,426.91	Huntsville.....	31	156,743.98
Eganville.....	1	145.95	Ingersoll.....	36	446,470.79
Elmira.....	34	190,651.72	Iroquois.....	13	12,508.32
Elmvale.....	34	34,583.87	Jarvis.....	29	35,443.10
Elmwood.....	29	11,413.42	Kemptville.....	28	54,965.70
Elora.....	33	86,529.07	Kincardine.....	28	112,297.13
Embro.....	33	26,851.71	Kingston.....	15	669,840.28
Erieau.....	29	20,419.96	Kingsville.....	29	103,921.31
Erie Beach.....	28	4,139.77	Kirkfield.....	28	7,345.60
Erin.....	3	1,850.30	Kitchener.....	36	3,278,824.44
Essex.....	29	85,006.31	Lakefield.....	24	40,885.48
Etobicoke Twp.....	30	886,618.96	Lambeth.....	32	25,435.31
Exeter.....	31	111,639.54	Lanark.....	28	16,324.30
Fergus.....	33	172,208.95	Lancaster.....	28	13,673.88
Finch.....	25	12,668.23	La Salle.....	27	41,627.29
Flesherton.....	32	15,160.09	Leamington.....	29	250,541.44
Fonthill.....	27	22,103.72	Lindsay.....	24	308,202.18
Forest.....	30	88,983.14	Listowel.....	31	201,804.56
Forest Hill.....	29	554,250.80	London.....	36	5,673,963.08
Frankford.....	4	3,057.53	London Twp.....	28	61,459.97
Galt.....	36	1,367,365.34	Long Branch.....	22	120,551.59
Georgetown.....	34	268,140.35	Lucan.....	32	42,198.06
Glencoe.....	29	48,008.44	Lucknow.....	28	52,590.81
Goderich.....	33	298,720.06	Lynden.....	32	27,959.60
Grand Valley.....	31	29,780.47	Madoc.....	23	26,558.45
Granton.....	31	17,432.74	Magnetawan.....	2	274.74
Gravenhurst.....	32	96,106.20	Markdale.....	31	26,449.42
Grimsby.....	11	36,245.57	Markham.....	29	51,832.28
Guelph.....	36	1,594,447.43	Marmora.....	24	16,856.96
Hagersville.....	34	173,293.85	Martintown.....	28	5,509.41
Hamilton.....	36	13,624,317.67	Maxville.....	28	22,555.80

## SOUTHERN ONTARIO SYSTEM

## SINKING FUND PAYMENTS BY MUNICIPALITIES

(continued)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
Meaford.....	28	89,469.89	Paris.....	33	263,184.04
Merlin.....	29	25,310.25	Parkhill.....	29	47,571.33
Merrickville.....	3	2,249.36	Parry Sound.....	5	9,383.39
Merritton.....	31	596,715.83	Penetanguishene.....	36	150,799.82
Midland.....	34	517,496.02	Perth.....	28	182,802.93
Mildmay.....	20	13,337.03	Peterborough.....	24	1,064,270.38
Millbrook.....	14	7,261.33	Petrolia.....	31	222,254.19
Milton.....	34	234,303.32	Pictou.....	24	151,437.88
Milverton.....	31	92,927.49	Plattsville.....	33	24,724.88
Mimico.....	35	350,831.03	Point Edward.....	30	182,288.45
Mitchell.....	36	110,954.75	Port Colborne.....	31	302,708.02
Moorefield.....	29	14,712.01	Port Credit.....	35	114,032.92
Morrisburg.....	15	19,055.70	Port Dalhousie.....	31	98,307.66
Mount Brydges.....	32	18,280.28	Port Dover.....	29	70,963.13
Mount Forest.....	32	85,130.73	Port Elgin.....	22	46,833.57
Napanee.....	23	125,916.71	Port Hope.....	23	211,694.93
Neustadt.....	29	13,728.52	Port McNicoll.....	33	20,246.00
Newboro.....	4	721.57	Port Perry.....	28	46,959.73
Newburgh.....	4	1,207.28	Port Rowan.....	26	18,096.09
Newbury.....	29	10,228.64	Port Stanley.....	35	101,418.95
Newcastle.....	16	13,879.65	Prescott.....	33	131,320.80
New Hamburg.....	36	113,691.33	Preston.....	36	592,237.01
Newmarket.....	8	58,581.38	Priceville.....	28	2,300.87
New Toronto.....	33	1,184,720.72	Princeton.....	33	23,411.64
Niagara.....	29	83,439.52	Queenston.....	29	16,602.85
Niagara Falls.....	32	1,269,311.70	Renfrew.....	8	25,441.51
North York Twp.....	29	932,413.88	Richmond.....	25	10,019.69
Norwich.....	35	82,861.90	Richmond Hill.....	28	60,468.69
Norwood.....	24	18,363.47	Ridgetown.....	32	98,759.03
Oakville.....	4	46,635.85	Ripley.....	28	19,903.58
Oil Springs.....	29	50,461.53	Riverside.....	30	210,850.71
Omeme.....	13	9,078.22	Rockwood.....	34	26,290.48
Orangeville.....	31	116,436.69	Rodney.....	30	32,123.64
Orono.....	14	6,529.52	Rosseau.....	22	9,452.65
Oshawa.....	24	1,613,494.47	Russell.....	27	13,947.15
Ottawa.....	37	1,225,416.39	St. Catharines.....	31	1,920,287.41
Otterville.....	31	21,402.69	St. Clair Beach.....	30	17,105.91
Owen Sound.....	32	605,521.57	St. George.....	32	32,155.89
Paisley.....	28	26,923.85	St. Jacobs.....	30	40,898.53
Palmerston.....	31	101,309.52	St. Mary's.....	36	296,265.19



## SOUTHERN ONTARIO SYSTEM

SINKING FUND PAYMENTS BY MUNICIPALITIES  
(concluded)

Municipality	Period of years to Dec. 31, 1952	Amount	Municipality	Period of years to Dec. 31, 1952	Amount
		\$			\$
St. Thomas.....	36	1,139,157.24	Tweed.....	22	33,819.83
Sarnia.....	31	1,521,412.99	Uxbridge.....	28	52,585.40
Scarborough Twp....	29	660,623.52	Victoria Harbour....	33	15,443.13
Seaforth.....	36	142,084.98	Walkerton.....	22	74,508.34
Shelburne.....	31	46,963.40	Wallaceburg.....	32	530,366.00
Simcoe.....	32	289,662.49	Wardsville.....	29	9,659.55
Smith's Falls.....	29	277,575.58	Warkworth.....	24	10,756.69
Smithville.....	12	12,775.22	Waterdown.....	36	50,615.89
Southampton.....	22	45,497.30	Waterford.....	32	73,852.00
Springfield.....	30	19,810.46	Waterloo.....	36	673,847.67
Stamford Twp.....	31	273,485.76	Watford.....	30	61,508.57
Stayner.....	34	41,878.82	Waubauskene.....	33	12,846.76
Stirling.....	23	27,138.55	Welland.....	30	846,539.99
Stoney Creek.....	6	11,814.90	Wellesley.....	31	34,290.48
Stouffville.....	29	49,081.47	Wellington.....	24	28,629.05
Stratford.....	36	1,302,488.06	West Lorne.....	31	61,310.34
Strathroy.....	33	212,677.37	Weston.....	36	578,575.73
Streetsville.....	18	22,092.37	Westport.....	21	15,541.32
Sunderland.....	33	23,554.87	Wheatley.....	29	38,092.88
Sundridge.....	1	330.51	Whitby.....	24	146,565.60
Sutton.....	29	46,969.09	Wiarton.....	22	45,740.67
Swansea.....	27	250,635.70	Williamsburg.....	32	14,615.95
Tara.....	29	20,939.57	Winchester.....	33	50,151.86
Tavistock.....	31	104,675.40	Windermere.....	23	7,319.16
Tecumseh.....	30	68,333.56	Windsor.....	33	7,180,890.61
Teeswater.....	28	30,630.14	Wingham.....	28	103,153.44
Thamesford.....	33	40,613.60	Woodbridge.....	33	90,146.75
Thamesville.....	32	41,763.60	Woodstock.....	36	989,801.38
Theford.....	29	24,515.90	Woodville.....	33	21,156.80
Thornbury.....	8	5,285.76	Wyoming.....	31	20,381.34
Thorndale.....	33	19,730.70	York Twp.....	32	2,030,625.17
Thornton.....	29	7,819.29	Zurich.....	30	30,647.67
Thorold.....	30	275,799.12			
Tilbury.....	32	128,932.19			
Tillsonburg.....	36	218,354.16			
Toronto.....	36	44,104,866.50	Total—Municipalities...		\$126,297,387.39
Toronto Twp.....	34	392,207.34	Total—Rural Power Dis-		
Tottenham.....	29	25,404.49	trict .....		16,767,008.75
Trafalgar Twp.....	16	48,628.65			
Trenton.....	21	301,639.30	Grand Total.....		\$143,064,396.14

## NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
GENERATING STATIONS				
Northeastern Division				
Abitibi River				
Abitibi Canyon.....	2,414.59	5,530,862.63	13,561,032.07	19,094,309.29
Frederick House Dam.....	47,553.45	141,588.49	753,775.35	942,917.29
Coral, Otter, Sextant, and Nine Mile Rapids....	216,171.07			216,171.07
Watabeag Lake Dam.....		6,983.63	64,565.68	71,549.31
Desserat Lake Diversion....		4,220.89	34,471.80	38,692.69
Mississagi River				
George W. Rayner.....	1,054.12	1,740,000.00	16,599,827.17	18,340,881.29
Aubrey Falls.....	43,893.66			43,893.66
Rocky Island Storage Dam....		1,445,009.58	1,703,681.72	3,148,691.30
Mattagami River				
Wawaitin.....			1,449,013.71	1,449,013.71
Lower Sturgeon.....	126,802.36	53,250.00	779,363.56	959,415.92
Sandy Falls.....			861,201.77	861,201.77
Storage dams.....		1,944.00	288,648.68	290,592.68
Intangible.....		990,681.44		990,681.44
Montreal River				
Upper Notch.....	14,896.39	15,900.17	2,354,804.71	2,385,601.27
Hound Chute.....		3,240.00	649,015.72	652,255.72
Indian Chute.....	111,917.77		441,937.54	553,855.31
Fountain Falls.....			547,522.56	547,522.56
Ragged Chute.....			959,172.00	959,172.00
Storage dams.....			178,471.78	178,471.78
Wanapitei River				
Stinson.....		33,000.00	666,741.01	699,741.01
Coniston.....		15,092.20	773,171.41	788,263.61
McVittie.....	15.56	13,323.00	461,470.07	474,808.63
Storage dam.....		25.00	194,870.00	194,895.00
Intangible.....		830,514.53		830,514.53
Matabitchuan River				
Matabitchuan.....	38,154.96	3,240.00	704,543.05	745,938.01
Storage dams.....		14,374.75	134,545.12	148,919.87
Sturgeon River				
Crystal Falls and storage dams.....	110,734.19	49,654.27	1,213,130.81	1,373,519.27
South River				
Nipissing.....		13,549.37	242,343.26	255,892.63
Elliott Chute.....		119,307.09	334,834.33	454,141.42
Bingham Chute.....		12,105.05	284,339.49	296,444.54
Storage dams.....			76,122.70	76,122.70
Intangible.....		69,478.34		69,478.34
Kagawong River				
Kagawong.....		43,396.98	167,129.57	210,526.55
Whitefish River				
Whitefish Falls.....	10,813.27			10,813.27

## NORTHERN ONTARIO PROPERTIES

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
	\$	\$	\$	\$
Northwestern Division				
Nipigon River				
Pine Portage.....	412,061.31	2,630,000.00	24,269,817.44	27,311,878.75
Cameron Falls.....		857,418.84	9,688,610.53	10,546,029.37
Alexander.....	7,659.83	80,379.73	7,122,850.10	7,210,889.66
Virgin Falls Dam.....		55,450.41	431,190.80	486,641.21
Aguasabon River				
Aguasabon.....		937,004.94	11,744,511.89	12,681,516.83
Kaministiquia River				
Kakabeka Falls.....		518,603.86	3,681,569.63	4,200,173.49
English River				
Ear Falls.....	33,229.61	566.75	3,759,976.84	3,793,773.20
Manitou Falls.....	48,021.04			48,021.04
Albany River				
Rat Rapids.....		39,297.44	914,214.37	953,511.81
Winnipeg River				
Boundary Falls.....	20,745.72			20,745.72
Intangible—Rainy River.....		4,086.32		4,086.32
	1,246,138.90	16,273,549.70	108,092,488.24	125,612,176.84
TRANSFORMER STATIONS				
Northeastern Division.....	1,173,195.59		11,415,548.84	12,588,744.43
Northwestern Division.....	542,341.14		4,040,867.92	4,583,209.06
	1,715,536.73		15,456,416.76	17,171,953.49
TRANSMISSION LINES				
Northeastern Division.....	1,424,687.21	2,035,744.69	14,839,992.27	18,300,424.17
Northwestern Division.....	376,001.08	1,519,250.28	12,819,669.55	14,714,920.91
	1,800,688.29	3,554,994.97	27,659,661.82	33,015,345.08
LOCAL SYSTEMS				
Northeastern Division.....	41,242.14	1,245.72	1,948,411.32	1,990,899.18
Northwestern Division.....	23,295.46		406,838.43	430,133.89
	64,537.60	1,245.72	2,355,249.75	2,421,033.07
COMMUNICATIONS				
Northern Ontario Properties..	154,732.73		2,647,018.49	2,801,751.22
Total.....	4,981,634.25	19,829,790.39	156,210,835.06	181,022,259.70
RURAL POWER DISTRICT				
H-E.P.C. investment.....	740,466.85	4,299.62	9,556,637.71	10,301,404.18
Provincial assistance.....	733,237.46		9,411,564.17	10,144,801.63
Total—Rural Power District	1,473,704.31	4,299.62	18,968,201.88	20,446,205.81



## NORTHERN ONTARIO PROPERTIES

## ADMINISTRATIVE BUILDINGS AND SERVICE BUILDINGS AND EQUIPMENT

FIXED ASSETS—December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
OFFICE AND SERVICE BUILDING Northeastern Division.....	\$ 104.45	\$ 10,450.00	\$ 198,498.34	\$ 209,052.79
OFFICE AND SERVICE EQUIPMENT	.....	.....	471,407.46	471,407.46
Total.....	104.45	10,450.00	669,905.80	680,460.25

## NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario  
in trust for the Province of Ontario and the municipalities  
supplied with power at cost

FIXED ASSETS—Summary, December 31, 1952

Property	Under construction	In service		Total
		Non-depreciable	Depreciable	
Power system.....	\$ 4,981,634.25	\$ 19,829,790.39	\$ 156,210,835.06	\$ 181,022,259.70
Administrative buildings and service buildings and equip- ment.....	104.45	10,450.00	669,905.80	680,460.25
Rural Power District.....	1,473,704.31	4,299.62	18,968,201.88	20,446,205.81
Total fixed assets.....	6,455,443.01	19,844,540.01	175,848,942.74	202,148,925.76
Less assistance for construction —Province of Ontario for Rural Power District.....	.....	.....	.....	10,144,801.63
				192,004,124.13

# NORTHERN ONTARIO

## STATEMENT SHOWING CHANGES IN FIXED ASSETS—

Property	Balance at Jan. 1, 1952(1)	Expenditures during 1952
<b>GENERATING STATIONS</b>	\$	\$
Northeastern Division .....	57,885,996.84	489,705.94
Northwestern Division .....	66,778,142.26	543,471.02
	124,664,139.10	1,033,176.96
<b>TRANSFORMER STATIONS</b>		
Northeastern Division .....	11,218,723.84	1,463,360.04
Northwestern Division .....	4,229,049.43	351,874.21
	15,447,773.27	1,815,234.25
<b>TRANSMISSION LINES</b>		
Northeastern Division .....	16,588,011.46	1,788,555.60
Northwestern Division .....	14,592,812.07	158,593.26
	31,180,823.53	1,947,148.86
<b>LOCAL SYSTEMS</b>		
Northeastern Division .....	1,899,767.46	164,812.87
Northwestern Division .....	340,407.83	113,658.89
	2,240,175.29	278,471.76
<b>COMMUNICATIONS</b> .....	2,106,155.92	728,266.13
Sub-total .....	175,639,067.11	5,802,297.96
<b>RURAL POWER DISTRICT</b>		
H-E.P.C. investment .....	8,069,051.69	2,346,762.40
Provincial assistance .....	7,933,118.97	2,326,092.54
	16,002,170.66	4,672,854.94
Total—Northern Ontario Properties .....	191,641,237.77	10,475,152.90
<b>OFFICE AND SERVICE BUILDINGS</b> .....	208,778.44	4,347.61
<b>OFFICE AND SERVICE EQUIPMENT</b> .....	385,239.13	86,168.33
Total—Office Buildings and Service Buildings and Equipment .....	594,017.57	90,515.94
Total .....	192,235,255.34	10,565,668.84
Less assistance for construction—Province of Ontario for Rural Power District .....	7,933,118.97	2,211,682.66
	184,302,136.37	8,353,986.18

(1) At January 1, 1952 the fixed assets of the Thunder Bay System were transferred to the Northern Ontario Properties in accordance with The Power Commission Amendment Act, 1953, as follows:

Power system .....	\$74,262,526.80
Service equipment .....	84,345.91
Office equipment .....	86,574.18
Less assistance for construction, Rural Power District. . .	1,261,601.81

## PROPERTIES

During Year Ended December 31, 1952

Adjustment for equipment relocated and reclassified	Retirements		Balance at Dec. 31, 1952
	Values recovered (stores, sales, and salvage)	Charged to reserves for depreciation and contingencies(2)	
\$	\$	\$	\$
.....	.....	20,793.34	58,354,909.44
.....	.....	64,345.88	67,257,267.40
.....	.....	85,139.22	125,612,176.84
23,754.00	646.32	68,939.13	12,588,744.43
23,754.00	660.00	20,808.58	4,583,209.06
.....	1,306.32	89,747.71	17,171,953.49
26,497.78	25,648.52	76,992.15	18,300,424.17
54,635.20	17,981.52	73,138.10	14,714,920.91
81,132.98	43,630.04	150,130.25	33,015,345.08
12,629.29	53,830.42	7,221.44	1,990,899.18
.....	7,054.82	16,878.01	430,133.89
12,629.29	60,885.24	24,099.45	2,421,033.07
1,942.80	442.21	34,171.42	2,801,751.22
70,446.49	106,263.81	383,288.05	181,022,259.70
35,223.25	52,867.71	26,318.95	10,301,404.18
35,223.24	52,867.70	26,318.94	10,144,801.63
70,446.49	105,735.41	52,637.89	20,446,205.81
.....	211,999.22	435,925.94	201,468,465.51
.....	.....	4,073.26	209,052.79
.....	.....	.....	471,407.46
.....	.....	4,073.26	680,460.25
.....	211,999.22	439,999.20	202,148,925.76
.....	.....	.....	10,144,801.63
.....	211,999.22	439,999.20	192,004,124.13

(2) Retirements charged to reserves for depreciation and contingencies:

Depreciation reserve .....	\$225,805.98
Contingencies reserve .....	214,193.22
Total .....	\$439,999.20



**NORTHERN ONTARIO**  
**STATEMENTS OF RESERVES—**

**Depreciation**

	Power system	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1952...	10,260,035.95	401,614.80	33,010.41	10,694,661.16
Add:				
Transfer of reserves from Thunder Bay System at January 1, 1952.....	7,536,443.91	137,884.62	37,215.23	7,711,543.76
Amortization of mine-load and steam-load equipment —transferred from reserve for contingencies.....	1,172,929.90			1,172,929.90
Adjusted balance at January 1, 1952.....	18,969,409.76	539,499.42	70,225.64	19,579,134.82
Add:				
Interest at 4% per annum on reserve balances.....	711,859.20	21,579.97		733,439.17
Provision in the year				
—direct.....	1,672,624.39	166,385.44		1,839,009.83
—indirect.....	4,315.06	1,022.95	46,641.48	51,979.49
Adjustments re transfer of equipment.....	5,531.07	2,187.52		7,718.59
	21,363,739.48	730,675.30	116,867.12	22,211,281.90
Deduct:				
Amounts withdrawn for renewals.....	3,356.30	5,941.43		2,585.13
Amounts withdrawn on assets retired.....	203,176.35	18,556.37	4,073.26	225,805.98
Excess depreciation accumu- lated on assets retired— transferred to contingency reserve.....	9,465.99			9,465.99
Balance at December 31, 1952	21,154,453.44	706,177.50	112,793.86	21,973,424.80

**Stabilization of Rates**

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Transfer of reserves from Thunder Bay System at January 1, 1952.....	720,070.48	576,278.86	1,296,349.34
Interest at 4% on reserve balances.....	28,802.83	23,051.15	51,853.98
Withdrawals in year.....		57,334.90	57,334.90
Balance at December 31, 1952.....	748,873.31	541,995.11	1,290,868.42

## PROPERTIES

December 31, 1952

## Contingencies and Obsolescence

	Province of Ontario	Municipalities supplied with power at cost	Northern Ontario Properties	Total
	\$	\$	\$	\$
Balance at January 1, 1952 . . . . .			3,841,707.10	3,841,707.10
Add:				
Transfer of reserves from Thunder Bay System at January 1, 1952 . . . . .	1,393,316.56	1,296,659.99	4,865,968.69	7,555,945.24
Amortization of mine-load and steam-load equipment —transferred to reserve for depreciation . . . . .			1,172,929.90	1,172,929.90
Adjusted balance at January 1, 1952 . . . . .	1,393,316.56	1,296,659.99	7,534,745.89	10,224,722.44
Add:				
Interest at 4% per annum on reserve balances . . . . .	55,732.66	51,866.40	301,389.85	408,988.91
Provision in the year				
—direct . . . . .			633,495.82	633,495.82
—indirect . . . . .			2,658.95	2,658.95
Excess depreciation accumu- lated on assets retired— transferred from deprecia- tion reserve . . . . .			9,465.99	9,465.99
Adjustments re transfer of equipment . . . . .			721.67	721.67
Deduct:				
Contingencies met with during year . . . . .	1,449,049.22	1,348,526.39	8,482,478.17	11,280,053.78
Excess of cost of fixed assets retired over accumulated depreciation . . . . .			127,186.17	127,186.17
Loss on sale of power to companies . . . . .			214,193.22	214,193.22
	549,841.56			549,841.56
Balance at December 31, 1952	899,207.66	1,348,526.39	8,141,098.78	10,388,832.83

## Sinking Fund

	Province of Ontario	Municipalities supplied with power at cost	Total
	\$	\$	\$
Balance at January 1, 1952 . . . . .	25,352,084.96		25,352,084.96
Transfer of reserves from Thunder Bay System at January 1, 1952 . . . . .	220,095.88	7,971,308.43	8,191,404.31
Adjusted balance at January 1, 1952 . . . . .	25,572,180.84	7,971,308.43	33,543,489.27
Interest at 4% per annum on reserve balance . .	957,395.73	318,852.34	1,276,248.07
Provision in the year—direct . . . . .	1,687,240.81	221,669.58	1,908,910.39
—indirect . . . . .	3,367.84		3,367.84
Balance at December 31, 1952 . . . . .	28,220,185.22	8,511,830.35	36,732,015.57

## NORTHERN ONTARIO

## COST OF POWER, AMOUNT BILLED AT INTERIM RATES,

For the Year

	Interim rate per kilowatt	Power and energy supplied during year		Share of power purchased, operating costs, and		
		Average of monthly peak loads corrected for power factor	Energy	Power supply		Bulk transmission
				based on energy	based on peak load	
	\$	kw	'000 kwh	\$	\$	\$
Municipalities supplied with power at cost:						
Fort William.....	31.50	26,426.6	161,537.4	209,522.32	418,317.39	.....
Nipigon Twp.....	34.50	644.6	3,301.6	4,282.34	10,203.64	.....
Port Arthur.....	31.50	28,628.1	147,589.7	191,431.43	453,165.83	.....
Red Rock Imp. Dist.	32.10	370.2	1,755.2	2,276.58	5,860.05	.....
Schreiber Twp.....	48.95	461.9	2,483.2	3,220.84	7,723.74	.....
Terrace Bay Imp. Dist.....	38.15	803.5	4,628.8	6,003.79	13,442.61	.....
Total—Municipalities..		57,334.9	321,295.9	416,737.30	908,713.26	.....
Province of Ontario:						
Rural Power District.....		18,543.4	85,886.4	99,968.63	355,326.59	73,535.74
Other Customers.....		370,916.2	2,913,295.2	3,286,884.52	6,019,909.15	1,532,442.89
Total.....		389,459.6	2,999,181.6	3,386,853.15	6,375,235.74	1,605,978.63
Grand Total.....		446,794.5	3,320,477.5	3,803,590.45	7,283,949.00	1,605,978.63

## Notes on Cost of Power Statement

## NORTHERN ONTARIO PROPERTIES

1. The items shown under the heading "Share of power purchased, operating costs, and fixed charges" total \$17,622,796.32 as follows:—

Power supply—based on energy.....	\$3,803,590.45
—based on peak load.....	7,283,949.00
Bulk transmission.....	1,605,978.63
Divisional costs including transformation, transmission, and distribution.....	4,929,278.24
	<u>\$17,622,796.32</u>

This total includes the following items of cost shown in the statement of operations:—

Cost of power purchased.....	\$46,134.86
Interchange of power with Southern Ontario System.....	301,165.74
Operating, maintenance and administrative expenses.....	7,797,104.84
Interest.....	6,332,802.14
Provision for depreciation.....	1,839,009.83
Provision for sinking fund.....	1,908,910.39
	<u>\$17,622,796.32</u>

2. The provision for contingencies consists of a charge of \$446,794.50 based on \$1 per kilowatt on the average monthly peak load supplied to all customers, and charges of \$20,315.88 to local systems and \$166,385.44 to the Rural Power District for their distribution facilities based on the book value of the fixed assets in service. In 1951 and prior years the provision for contingencies was based on the book value of the fixed assets in service. The 1952 provision would have been \$400,000 greater if it had been based on the capital in service, as in previous years.



## PROPERTIES

## AND BALANCE CREDITED OR CHARGED TO MUNICIPALITIES

Ended December 31, 1952

fixed charges						
Divisional costs including transformation, transmission, and distribution	Provision for contingencies	Withdrawal from stabilization of rates reserve	Withdrawal from contingencies reserve	Total cost of power and energy	Amount billed at interim rates	Balance credited or charged
\$	\$	\$	\$	\$	\$	\$
200,784.52	26,426.60	26,426.60	.....	828,624.23	832,437.36	3,813.13
4,270.36	644.60	644.60	.....	18,756.34	22,240.12	3,483.78
202,075.45	28,628.10	28,628.10	.....	846,672.71	901,785.92	55,113.21
2,486.23	370.20	370.20	.....	10,622.86	11,882.62	1,259.76
4,494.18	461.90	461.90	.....	15,438.76	22,612.05	7,173.29
4,439.24	803.50	803.50	.....	23,885.64	30,652.24	6,766.60
418,549.98	57,334.90	57,334.90	.....	1,744,000.54	1,821,610.31	77,609.77
1,494,611.72	184,928.84	.....	.....	2,208,371.52	1,726,406.05	481,965.47
3,016,116.54	391,232.08	.....	549,841.56	13,696,743.62	13,719,228.68	22,485.06
4,510,728.26	576,160.92	.....	549,841.56	15,905,115.14	15,445,634.73	459,480.41
4,929,278.24	633,495.82	57,334.90	549,841.56	17,649,115.68	17,267,245.04	381,870.64

3. The withdrawal from stabilization of rates reserve was credited to all municipalities supplied with power at cost at the rate of \$1 per kilowatt on the average monthly peak load supplied.

4. The withdrawal from the reserve for contingencies of \$549,841.56 credited to the operating accounts of the "Province of Ontario, Other customers" represents the net loss on the supply of power to the paper companies in the Thunder Bay District. This net loss consists of \$849,296.47 representing the loss on the supply of primary power under the terms of the existing contracts, less the revenue of \$299,454.91 from the supply of surplus energy for use in steam boilers.

5. The method adopted in 1951 for allocating the cost of power supplied to municipalities of the former Thunder Bay System was applied in 1952 on the same basis to these municipalities which now form part of the Northern Ontario Properties, with the following exceptions:—

(a) The provision for contingencies was computed in 1952 in relation to the peak load supplied, as stated in note 2 above, rather than as a percentage of the fixed assets in service,

(b) the power supply and divisional costs of the former Thunder Bay System and the former Rainy River and Patricia Districts of the Northern Ontario Properties were pooled, and

(c) the loss on the sale of power to companies in the former Thunder Bay System was charged in 1952 to the reserve for contingencies held for the Province of Ontario, while in 1951 this loss was charged to the reserve for contingencies held for the former Thunder Bay System.

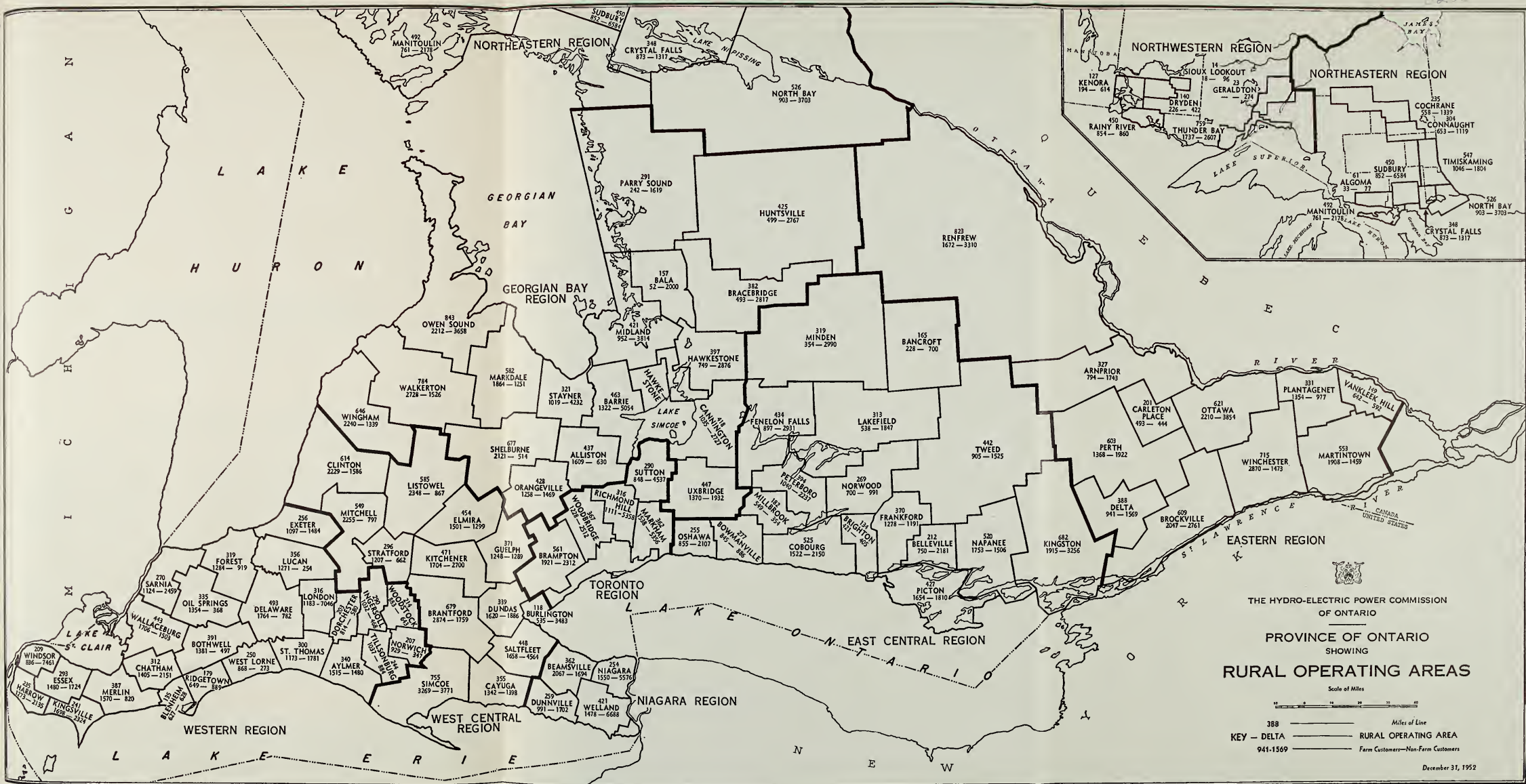
6. The deduction of \$301,166 designated in the statement of operations as "Interchange of power with Southern Ontario System" represents the amount by which the cost of energy transferred to the Southern Ontario System exceeded the cost of the energy transferred to the Northern Ontario Properties. The energy supplied to the Southern Ontario System amounted to 123,928,000 kilowatt-hours, while the energy transferred to the Northern Ontario Properties was 18,128,500 kilowatt-hours. This energy is not included in the cost of power statement in the total of "Energy supplied during the year—3,320,477,500 kilowatt-hours".

## NORTHERN ONTARIO PROPERTIES

## SINKING FUND

Payments by municipalities supplied with power at cost, and by the Province of Ontario, and interest allowed thereon to December 31, 1952

	Period of years to December 31, 1952	Amount
		\$
Municipalities supplied with power at cost:		
Fort William.....	26	2,786,929.88
Nipigon Twp.....	26	46,019.01
Port Arthur.....	26	5,620,144.20
Red Rock Imp. Dist.....	5	13,840.04
Schreiber Twp.....	4	14,825.37
Terrace Bay Imp. Dist.....	5	30,071.85
Total—Municipalities supplied with power at cost.....		8,511,830.35
Total—Province of Ontario.....		28,220,185.22
Grand Total.....		36,732,015.57



THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

PROVINCE OF ONTARIO  
SHOWING  
RURAL OPERATING AREAS

Scale of Miles



388 \_\_\_\_\_ Miles of Line  
KEY — DELTA \_\_\_\_\_ RURAL OPERATING AREA  
941-1569 \_\_\_\_\_ Farm Customers—Non-Farm Customers

December 31, 1952





## **APPENDIX III—RURAL**

### **Classes of Service—Rate Structure—**

#### **Summary Tabulations of Customers and Miles of Line**

Power is delivered in wholesale quantities by the Commission to 106 rural operating areas in the amalgamated Rural Power District, and within the Rural Power District the retail customers are served as farm, hamlet, commercial, summer, or industrial power service customers. These are defined below and the rates applicable to each follow.

For farm, hamlet, commercial, and summer service a uniform rural rate structure applies. Rates for rural industrial power service vary with the locality served. The rates for service in the uniform group were established on May 1, 1950, but the number of classes within each class of service was reduced in 1952. Rates for the industrial power service group went into effect on November 1, 1952.

#### **Descriptions of Main Classes of Hydro Rural Service**

##### **Farm Service**

Farm service means service rendered to lands and buildings thereon used for the production of food or industrial crops on that land, and shall include electrical service to all farm buildings and equipment located on the farm used for farm purposes, including that required for processing the products of the customer's farm.

Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm property and occupied by persons who are engaged in the operation of the farm.

Additional dwellings or domestic establishments located on a farm property, and occupied by persons not engaged in the operation of the farm shall be classed as hamlet service. Small properties of five acres and less shall be classed as hamlet services except under special circumstances when a farm classification may be applied.

#### **Commercial Service**

Commercial service means service to business or community establishments including schools, churches, public halls, hospitals, hotels, motels, offices, stores, garages, small manufacturing and processing establishments, sign and display lighting, etc.

#### **Hamlet Service**

Hamlet service means service to a domestic establishment or residence in a community served as part of a rural operating area. This class shall include isolated non-farm residences.

#### **Summer Service**

Summer service is applicable to properties normally used during the summer months only.

#### **Industrial Power Service**

Power service covers 3-phase service to power users, such as creameries, cheese factories, chopping mills, industries, and special loads which cannot be supplied as commercial single-phase service.

### **Uniform Rural Rate Structure**

The farm, hamlet, and commercial service rates are on a monthly basis and consist essentially of a three-step consumption charge subject to a minimum bill. The summer service rates are on an annual basis and consist of an annual fixed charge plus a consumption charge.

The number of kilowatt-hours at the first and second rates and the minimum bill are dependent on the classification of the contract and its demand rating.

In each billing period the kilowatt-hour rates are as follows:

4.4¢ gross per kilowatt-hour for the first block of kilowatt-hours.

2.1¢ gross per kilowatt-hour for the next block of kilowatt-hours.

1.1¢ gross per kilowatt-hour for all remaining kilowatt-hours.



The number of kilowatt-hours supplied at each of the above rates, and the minimum bill for each class and contract rating are shown in the following tabulation.

All rates quoted are gross and are subject to a prompt payment discount of 10 per cent.

# **RATES TO CUSTOMERS IN RURAL OPERATING AREAS**

## **Farm, Hamlet, Commercial, and Summer Service**

Prompt Payment Discount 10 per cent

		Kilowatt-hours billed at			
Class	Rating	first rate 4.4 cents	second rate 2.1 cents	third rate 1.1 cents	min bill per month (gross)
(number per month)					
Farm.....	F35	60	180	All additional	\$2.25
	F50	100	300		3.75
	FD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Hamlet.....	H20	60	80	All additional	1.67
	H35	60	180		2.25
	H50	80	300		3.75
	HD	20 per kw of demand	60 per kw of demand		0.75 per kw of demand
Commercial ..	C20	60	120	All additional	1.50
	C35	90	180		2.25
	C50	150	300		3.75
	CD	30 per kw of demand	60 per kw of demand		0.75 per kw of demand
(number per annum)					
Summer.....	S20	150	450	All additional	Annual fixed charge (gross) \$16.67
	S35	225	675		22.22
	S50	375	1,125		25.00
	SD	75 per kw of demand	225 per kw of demand		5.00 per kw of demand

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
<b>SOUTHERN ONTARIO SYSTEM</b>	\$	\$	cents	cents	cents
<b>Western</b>					
Aylmer.....	34.00	1.35	3.4	2.2	0.33
Blenheim.....	34.00	1.35	3.4	2.2	0.33
Bothwell.....	36.00	1.35	3.7	2.4	0.33
Chatham.....	32.00	1.35	3.1	2.0	0.33
Delaware.....	34.00	1.35	3.4	2.2	0.33
Dorchester.....	34.00	1.35	3.4	2.2	0.33
Essex.....	36.00	1.35	3.7	2.4	0.33
Exeter.....	34.00	1.35	3.4	2.2	0.33
Forest.....	36.00	1.35	3.7	2.4	0.33
Harrow.....	36.00	1.35	3.7	2.4	0.33
Ingersoll.....	32.00	1.35	3.1	2.0	0.33
Kingsville.....	34.00	1.35	3.4	2.2	0.33
London.....	32.00	1.35	3.1	2.0	0.33
Lucan.....	34.00	1.35	3.4	2.2	0.33
Merlin.....	36.00	1.35	3.7	2.4	0.33
Norwich.....	32.00	1.35	3.1	2.0	0.33
Oil Springs.....	36.00	1.35	3.7	2.4	0.33
Ridgetown.....	36.00	1.35	3.7	2.4	0.33
St. Thomas.....	34.00	1.35	3.4	2.2	0.33
Sarnia.....	34.00	1.35	3.4	2.2	0.33
Tillsonburg.....	32.00	1.35	3.1	2.0	0.33
Wallaceburg.....	34.00	1.35	3.4	2.2	0.33
West Lorne.....	36.00	1.35	3.7	2.4	0.33
Windsor.....	32.00	1.35	3.1	2.0	0.33
Woodstock.....	32.00	1.35	3.1	2.0	0.33
<b>West Central</b>					
Brantford.....	32.00	1.35	3.1	2.0	0.33
Burlington.....	32.00	1.35	3.1	2.0	0.33
Cayuga.....	36.00	1.35	3.7	2.4	0.33
Clinton.....	34.00	1.35	3.4	2.2	0.33
Dundas.....	32.00	1.35	3.1	2.0	0.33
Elmira.....	32.00	1.35	3.1	2.0	0.33
Guelph.....	32.00	1.35	3.1	2.0	0.33
Kitchener.....	32.00	1.35	3.1	2.0	0.33
Listowel.....	32.00	1.35	3.1	2.0	0.33
Mitchell.....	34.00	1.35	3.4	2.2	0.33
Saltfleet (Stoney Creek).....	29.00	1.35	2.6	1.7	0.33
Caledonia Section.....	32.00	1.35	3.1	2.0	0.33
Simcoe.....	32.00	1.35	3.1	2.0	0.33
Stratford.....	32.00	1.35	3.1	2.0	0.33

The name of the municipality in which the area office is located is added in brackets when it differs from the area name.

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
<b>SOUTHERN ONTARIO SYSTEM —Continued</b>	\$	\$	cents	cents	cents
<b>Niagara</b>					
Beamsville.....	32.00	1.35	3.1	2.0	0.33
Dunnville.....	34.00	1.35	3.4	2.2	0.33
Niagara (St. Catharines).....	30.00	1.35	2.8	1.8	0.33
Welland.....	27.00	1.35	2.3	1.5	0.33
<b>Toronto</b>					
Brampton.....	32.00	1.35	3.1	2.0	0.33
Markham.....	32.00	1.35	3.1	2.0	0.33
Richmond Hill.....	32.00	1.35	3.1	2.0	0.33
Sutton.....	34.00	1.35	3.4	2.2	0.33
Woodbridge.....	34.00	1.35	3.4	2.2	0.33
<b>Georgian Bay</b>					
Alliston.....	34.00	1.35	3.4	2.2	0.33
Bala.....	32.00	1.35	3.1	2.0	0.33
Barrie.....	34.00	1.35	3.4	2.2	0.33
Bracebridge.....	32.00	1.35	3.1	2.0	0.33
Cannington.....	34.00	1.35	3.4	2.2	0.33
Hawkestone (Orillia).....	30.00	1.35	2.8	1.8	0.33
Huntsville.....	34.00	1.35	3.4	2.2	0.33
Markdale.....	32.00	1.35	3.1	2.0	0.33
Midland (Penetanguishene).....	34.00	1.35	3.4	2.2	0.33
Orangeville.....	36.00	1.35	3.7	2.4	0.33
Owen Sound.....	34.00	1.35	3.4	2.2	0.33
Parry Sound.....	34.00	1.35	3.4	2.2	0.33
Shelburne.....	34.00	1.35	3.4	2.2	0.33
Stayner.....	32.00	1.35	3.1	2.0	0.33
Uxbridge.....	34.00	1.35	3.4	2.2	0.33
Walkerton.....	34.00	1.35	3.4	2.2	0.33
Wingham.....	34.00	1.35	3.4	2.2	0.33
<b>East Central</b>					
Bancroft.....	38.00	1.35	4.0	2.6	0.33
Belleville.....	32.00	1.35	3.1	2.0	0.33
Bowmanville (Frankford).....	32.00	1.35	3.1	2.0	0.33
Brighton.....	32.00	1.35	3.1	2.0	0.33
Cobourg.....	32.00	1.35	3.1	2.0	0.33
Fenelon Falls.....	34.00	1.35	3.4	2.2	0.33
Frankford.....	32.00	1.35	3.1	2.0	0.33
Kingston.....	32.00	1.35	3.1	2.0	0.33
Lakefield.....	32.00	1.35	3.1	2.0	0.33
Millbrook.....	32.00	1.35	3.1	2.0	0.33

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per mo	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All addi- tional
<b>SOUTHERN ONTARIO SYSTEM</b>					
<b>—Continued</b>	\$	\$	cents	cents	cents
<b>East Central—Continued</b>					
Minden.....	36.00	1.35	3.7	2.4	0.33
Napanee.....	32.00	1.35	3.1	2.0	0.33
Norwood.....	34.00	1.35	3.4	2.2	0.33
Oshawa.....	32.00	1.35	3.1	2.0	0.33
Peterborough.....	27.00	1.35	2.3	1.5	0.33
Picton.....	34.00	1.35	3.4	2.2	0.33
Tweed.....	34.00	1.35	3.4	2.2	0.33
<b>Eastern</b>					
Arnprior.....	32.00	1.35	3.1	2.0	0.33
Brockville.....	32.00	1.35	3.1	2.0	0.33
Carleton Place (Perth).....	32.00	1.35	3.1	2.0	0.33
Delta.....	32.00	1.35	3.1	2.0	0.33
Martintown (Lancaster).....	32.00	1.35	3.1	2.0	0.33
Ottawa.....	29.00	1.35	2.6	1.7	0.33
Perth.....	32.00	1.35	3.1	2.0	0.33
Plantagenet.....	32.00	1.35	3.1	2.0	0.33
Renfrew.....	32.00	1.35	3.1	2.0	0.33
Vankleek Hill.....	32.00	1.35	3.1	2.0	0.33
Winchester.....	32.00	1.35	3.1	2.0	0.33
<b>NORTHERN ONTARIO PROPERTIES</b>					
<b>Northeastern</b>					
Algoma.....	42.00	1.35	4.6	3.0	0.33
Cochrane.....	36.00	1.35	3.7	2.4	0.33
Connaught (Matheson).....	36.00	1.35	3.7	2.4	0.33
Crystal Falls (North Bay).....	36.00	1.35	3.7	2.4	0.33
Manitoulin (Kagawong).....	42.00	1.35	4.6	3.0	0.33
North Bay.....	36.00	1.35	3.7	2.4	0.33
Sudbury.....	36.00	1.35	3.7	2.4	0.33
Timiskaming (New Liskeard)....	36.00	1.35	3.7	2.4	0.33
<b>Northwestern</b>					
Dryden.....	42.00	1.35	4.6	3.0	0.33
Geraldton.....	42.00	1.35	4.6	3.0	0.33
Kenora.....	42.00	1.35	4.6	3.0	0.33
Rainy River (Fort Frances).....	42.00	1.35	4.6	3.0	0.33
Sioux Lookout.....	42.00	1.35	4.6	3.0	0.33
Thunder Bay (Port Arthur).....	34.00	1.35	3.4	2.2	0.33



**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1952**

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers
SOUTHERN ONTARIO SYSTEM									
Western									
Aylmer.....	340.16	1,515	1,008	237	230	5	2,995	0.77	2
Blenheim.....	135.37	627	379	83	161	5	1,255	0.47	1
Bothwell.....	391.23	1,381	315	165	1	16	1,878	0.37	3
Chatham.....	311.94	1,405	1,887	240	.....	24	3,556	0.91	2
Delaware.....	492.62	1,764	542	232	.....	8	2,546	1.01	4
Dorchester.....	203.10	814	457	111	2	10	1,394	0.15	1
Essex.....	292.99	1,480	987	149	578	10	3,204	0.98	2
Exeter.....	255.95	1,097	510	165	803	6	2,581	0.30	1
Forest.....	319.17	1,284	171	115	627	6	2,203	0.75	5
Harrow.....	235.29	1,273	810	119	1,200	6	3,408	2.91	4
Ingersoll.....	290.12	1,032	360	87	16	5	1,500	.....	.....
Kingsville.....	240.75	1,698	1,047	177	1,079	21	4,022	0.15	3
London.....	315.70	1,183	6,550	453	.....	43	8,229	0.73	15
Lucan.....	356.23	1,271	142	105	1	6	1,525	0.50	.....
Merlin.....	386.84	1,570	387	197	228	8	2,390	.....	1
Norwich.....	206.57	929	261	79	.....	7	1,276	.....	.....
Oil Springs.....	334.53	1,354	214	150	.....	4	1,722	4.10	4
Ridgetown.....	179.17	649	266	76	542	5	1,538	1.43	1
St. Thomas.....	300.23	1,173	1,554	210	11	6	2,954	0.55	17
Sarnia.....	269.57	1,124	1,665	216	576	2	3,583	0.16	.....
Tillsonburg.....	244.03	1,037	704	167	.....	13	1,921	0.20	1
Wallaceburg.....	443.20	1,706	1,042	248	202	11	3,209	2.10	25
West Lorne.....	250.06	868	162	75	35	1	1,141	1.35	4
Windsor.....	209.49	836	6,841	584	.....	36	8,297	1.41	6
Woodstock.....	214.48	883	519	118	.....	6	1,526	.....	.....
Total.....	7,218.84	29,953	28,780	4,558	6,292	270	69,853	21.30	102
West Central									
Brantford.....	679.06	2,874	1,359	368	14	18	4,633	2.35	4
Burlington.....	117.88	535	3,234	178	25	46	4,018	1.53	92
Cayuga.....	354.83	1,342	536	189	653	20	2,740	0.62	10
Clinton.....	614.12	2,229	760	292	527	7	3,815	2.11	18
Dundas.....	338.54	1,620	1,684	188	1	13	3,506	0.52	5
Elmira.....	454.09	1,501	958	241	80	20	2,800	9.68	15
Guelph.....	370.57	1,248	1,091	168	18	12	2,537	0.55	5
Kitchener.....	470.77	1,704	2,180	318	178	24	4,404	3.89	10
Listowel.....	585.20	2,348	575	283	2	7	3,215	5.02	18
Mitchell.....	548.60	2,255	556	229	.....	12	3,052	0.50	6
Saltfleet.....	448.30	1,658	3,954	383	197	30	6,222	2.82	24
Simcoe.....	755.40	3,269	2,214	419	1,124	14	7,040	2.54	18
Stratford.....	296.19	1,207	525	128	.....	9	1,869	1.80	.....
Total.....	6,033.55	23,790	19,626	3,384	2,819	232	49,851	33.93	225

\*Miles of line and total customers, not included in preceding columns.

**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1952**

Rural operating areas by regions	Miles of primary line	Number of customers						Not complet- ed in 1952*	
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONTARIO SYSTEM									
Niagara									
Beamsville.....	362.34	2,067	1,280	269	122	23	3,761	1.33	4
Dunnville.....	259.43	991	587	159	947	9	2,693	1.27	11
Niagara.....	253.64	1,550	5,027	331	179	39	7,126	1.41	12
Welland.....	420.59	1,478	5,458	517	658	55	8,166	2.73	23
Total.....	1,296.00	6,086	12,352	1,276	1,906	126	21,746	6.74	50
Toronto									
Brampton.....	561.22	1,921	1,731	270	287	24	4,233	1.06	12
Markham.....	362.44	1,538	4,298	336	687	35	6,894	2.78	50
Richmond Hill..	316.08	1,111	4,623	461	244	30	6,469	3.01	26
Sutton.....	289.86	848	1,445	250	2,829	13	5,385	1.97	13
Woodbridge....	367.17	1,228	2,020	342	108	42	3,740	1.15	13
Total.....	1,896.77	6,646	14,117	1,659	4,155	144	26,721	9.97	114
Georgian Bay									
Alliston.....	436.52	1,609	436	172	15	7	2,239	0.50	.....
Bala.....	157.16	52	518	84	1,395	3	2,052	1.28	13
Barrie.....	462.75	1,322	1,771	293	2,976	14	6,376	4.22	17
Bracebridge.....	382.04	493	784	144	1,886	3	3,310	1.12	20
Cannington.....	418.15	1,035	709	177	1,834	7	3,762	2.67	16
Hawkestone....	396.91	749	655	218	1,999	4	3,625	1.45	5
Huntsville.....	425.49	499	1,245	235	1,278	9	3,266	40.34	119
Markdale.....	582.03	1,864	644	258	343	6	3,115	.....	2
Midland.....	421.24	952	705	155	2,948	6	4,766	4.39	129
Orangeville.....	427.62	1,258	880	250	337	2	2,727	1.04	5
Owen Sound....	842.57	2,212	1,323	422	1,911	2	5,870	2.33	4
Parry Sound....	291.09	242	967	182	465	5	1,861	1.12	35
Shelburne.....	677.33	2,121	291	206	17	.....	2,635	1.12	1
Stayner.....	321.24	1,019	779	194	3,257	2	5,251	.....	3
Uxbridge.....	446.70	1,370	822	224	881	5	3,302	3.43	.....
Walkerton.....	783.78	2,728	736	329	454	7	4,254	2.23	6
Wingham.....	645.88	2,240	582	300	454	3	3,579	1.00	5
Total.....	8,118.50	21,765	13,847	3,843	22,450	85	61,990	68.24	380

\*Miles of line and total customers, not included in preceding columns.

**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1952**

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Com-mercial	Sum-mer	Power	Total	Miles	Cus-tomers
SOUTHERN ONTARIO SYSTEM									
East Central									
Bancroft.....	164.77	228	339	58	302	1	928	0.33	19
Belleville.....	211.79	750	1,894	227	48	12	2,931	2.06	4
Bowmanville....	276.88	845	611	151	118	6	1,731	2.43	3
Brighton.....	134.21	421	184	35	185	1	826	1.40	.....
Cobourg.....	525.10	1,522	1,064	284	795	7	3,672	2.22	7
Fenelon Falls...	433.89	897	521	192	2,211	7	3,828	4.36	76
Frankford.....	370.34	1,278	819	192	179	1	2,469	2.93	4
Kingston.....	681.67	1,915	2,025	479	737	15	5,171	6.88	38
Lakefield.....	312.60	538	661	176	1,009	1	2,385	1.22	10
Millbrook.....	181.81	549	214	75	64	1	903	0.20	.....
Minden.....	319.05	354	1,245	259	1,483	3	3,344	3.96	32
Napanee.....	519.83	1,753	933	348	220	5	3,259	1.14	7
Norwood.....	269.06	700	309	87	592	3	1,691	2.30	9
Oshawa.....	255.13	855	1,621	231	246	9	2,962	1.69	12
Peterborough...	394.21	1,040	1,426	229	575	7	3,277	3.01	18
Picton.....	426.67	1,654	1,032	265	508	5	3,464	1.48	5
Tweed.....	441.85	905	775	255	494	1	2,430	2.03	17
Total.....	5,918.86	16,204	15,673	3,543	9,766	85	45,271	39.64	261
Eastern									
Arnprior.....	326.51	794	845	226	659	13	2,537	0.47	21
Brockville.....	608.73	2,047	1,556	406	782	17	4,808	0.35	5
Carleton Place..	201.12	493	138	76	229	1	937	0.65	1
Delta.....	388.36	941	591	229	746	3	2,510	.....	.....
Martintown.....	553.15	1,908	902	392	154	11	3,367	1.39	12
Ottawa.....	620.99	2,210	2,969	497	354	34	6,064	4.34	16
Perth.....	603.15	1,368	910	248	759	5	3,290	21.16	84
Plantagenet.....	330.97	1,354	733	215	24	5	2,331	2.46	23
Renfrew.....	822.57	1,672	2,312	566	416	16	4,982	.....	27
Vankleek Hill...	148.60	642	401	130	55	6	1,234	.....	3
Winchester.....	714.52	2,870	967	457	36	13	4,343	0.59	4
Total.....	5,318.67	16,299	12,324	3,442	4,214	124	36,403	31.41	196

\*Miles of line and total customers, not included in preceding columns.



**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1952**

Rural operating areas by regions	Miles of primary line	Number of customers						Not completed in 1952*	
		Farm	Hamlet	Commercial	Summer	Power	Total	Miles	Customers
NORTHERN ONTARIO PROPERTIES									
Northeastern									
Algoma.....	60.70	33	58	18	1	.....	110	.....	176
Cochrane.....	234.71	558	1,092	168	78	1	1,897	3.32	151
Connaught.....	303.57	653	784	183	145	7	1,772	0.13	11
Crystal Falls....	348.46	873	963	234	116	4	2,190	5.45	75
Manitoulin.....	491.94	761	1,289	434	440	15	2,939	3.41	36
North Bay.....	526.47	903	2,426	376	883	18	4,606	10.18	102
Sudbury.....	449.56	852	5,624	424	514	22	7,436	10.94	148
Timiskaming....	547.36	1,046	1,119	288	384	13	2,850	17.21	50
Total.....	2,962.77	5,679	13,355	2,125	2,561	80	23,800	50.64	749
Northwestern									
Dryden.....	140.47	226	274	84	63	1	648	2.88	26
Geraldton.....	22.60	.....	198	67	2	7	274	0.91	.....
Kenora.....	127.40	194	352	62	198	2	808	2.25	24
Rainy River....	450.38	854	589	219	47	5	1,714	0.32	8
Sioux Lookout..	13.62	18	51	7	37	1	114	0.80	.....
Thunder Bay...	758.65	1,737	1,655	295	649	8	4,344	1.33	1
Total.....	1,513.12	3,029	3,119	734	996	24	7,902	8.49	59

\*Miles of line and total customers, not included in preceding columns.

**SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1952**

Region	Miles of primary line	Number of customers						Not complet- ed in 1952*	
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total	Miles	Cus- tomers
SOUTHERN ONTARIO									
Western.....	7,218.84	29,953	28,780	4,558	6,292	270	69,853	21.30	102
West Central.....	6,033.55	23,790	19,626	3,384	2,819	232	49,851	33.93	225
Niagara.....	1,296.00	6,086	12,352	1,276	1,906	126	21,746	6.74	50
Toronto.....	1,896.77	6,646	14,117	1,659	4,155	144	26,721	9.97	114
Georgian Bay.....	8,118.50	21,765	13,847	3,843	22,450	85	61,990	68.24	380
East Central.....	5,918.86	16,204	15,673	3,543	9,766	85	45,271	39.64	261
Eastern.....	5,318.67	16,299	12,324	3,442	4,214	124	36,403	31.41	196
Total.....	35,801.19	120,743	116,719	21,705	51,602	1,066	311,835	211.23	1,328
NORTHERN ONTARIO PROPERTIES									
Northeastern.....	2,962.77	5,679	13,355	2,125	2,561	80	23,800	50.64	749
Northwestern.....	1,513.12	3,029	3,119	734	996	24	7,902	8.49	59
Total.....	4,475.89	8,708	16,474	2,859	3,557	104	31,702	59.13	808
Total—All systems...	40,277.08	129,451	133,193	24,564	55,159	1,170	343,537	270.36	2,136

\*Miles of line and total customers, not included in preceding columns.



**RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE UNIFORM RATES AND NEW CLASSIFICATION. COMPARABLE FIGURES FOR EARLIER YEARS NOT AVAILABLE**

**Hamlet and House Lighting Service**

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consumption.
	\$	kwh	No.	cents	\$	kwh
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,368	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9
1943	2,170,221.41	73,980,871	70,919	2.93	2.57	87.6

**Farm Service**

Year	Annual revenue	Consumption	Number of customers*	Average revenue per kwh	Average monthly bill	Average monthly consumption.
	\$	kwh	No.	cents	\$	kwh
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870,300.31	116,448,363	63,748	2.46	3.75	152
1943	2,934,011.31	121,428,714	64,292	2.42	3.81	158

\*See footnote to table on page 58.

†In the period 1937 to 1940, there was an increase in the statistical average revenue per kilowatt-hour and a decrease in the statistical average monthly consumption per customer. Actually there was a great increase in the use of electricity by nearly all individual Hydro customers and a corresponding decrease to each customer in the average cost per kilowatt-hour. But due to the tremendous growth at that time in new customers, who for the first few years were not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new customers when averaged with the increased use of the older customers produced per customer averages which obscured the true trends of individual growth in use and individual reductions in costs.

## APPENDIX IV

### ENGINEERING AND CONSTRUCTION

During 1952, fifteen new 115-kv and 230-kv transformer stations were under construction and the capacities of thirty-eight others were being increased. A report on some of these is given in Section V of the Report. The tables below list first all the new stations under construction and second all the stations where additional capacity was being installed. Within each of these classifications group A lists those stations where work or a unit of the work was completed in 1952 and group B the stations where some part of the work is continuing.

#### INCREASE IN TRANSFORMER STATION CAPACITY

##### New 115-kv and 230-kv Transformer Stations

<i>Station</i>	<i>Frequency</i>	<i>Capacity</i>	<i>Station</i>	<i>Frequency</i>	<i>Capacity</i>
	<i>cycles</i>	<i>kva</i>		<i>cycles</i>	<i>kva</i>
A. Allanburg.....	60	120,000	Hamilton-Kenilworth .	60	100,000
Brockville.....	60	30,000	Stratford.....	60	15,000
B. Allanburg.....	60	120,000	Detweiler.....	60	240,000
Belleville.....	60	25,000	Pleasant.....	60	50,000
Brantford.....	60	25,000	Toronto-Bathurst.....	60	50,000
Hamilton-Newton.....	60	36,000	Toronto-Gerrard.....	60	40,000
Hanover.....	60	30,000	Waubashene.....	60	30,000
Oakville.....	60	50,000			

##### Changes in Existing 115-kv and 230-kv Transformer Stations

<i>Station</i>	<i>Frequency</i>	<i>Increase</i>	<i>Station</i>	<i>Frequency</i>	<i>Increase</i>
	<i>cycles</i>	<i>kva</i>		<i>cycles</i>	<i>kva</i>
A. Armitage.....	60	27,500	*Kitchener.....	60	15,000
Brant.....	60	3,750	R. H. Martindale.....	60	22,000
E. V. Buchanan.....	60	120,000	*Merritton.....	60	15,000
Caledonia.....	25	8,000	Oshawa.....	60	15,000
Cyanamid.....	25	30,000	Palmerston.....	25	8,000
Ross L. Dobbin.....	60	20,000	St. Thomas.....	25	8,000
Dundas.....	25	15,000	Sarnia.....	60	25,000
Essa.....	60	70,000	Scarborough F.C. & T.S.	60	25,000
Essex.....	60	25,000	Seaforth.....	60	14,000
Fort William.....	60	25,000	Toronto-Fairbank.....	60	45,000
*Guelph.....	60	15,000	*Toronto-Strachan.....	60	15,000
Hamilton-Gage.....	60	20,000	*Toronto-Thorncliffe...	60	30,000
Hamilton Beach.....	60	30,000	Woodstock.....	25	7,500
*Kent.....	60	8,000			
B. Chalk River.....	60	12,000	*Merritton.....	60	15,000
Crowland.....	60	50,000	*Niagara-Murray.....	60	25,000
Dryden.....	60	8,000	Ottawa-Riverdale.....	60	15,000
Essex.....	60	25,000	Ramore.....	25	10,500
*Galt.....	60	15,000	St. Thomas.....	60	30,000
A. W. Manby.....	60	120,000	Wallaceburg.....	60	7,600
			*Woodstock.....	60	15,000

\* These stations were specially constructed to make 60-cycle power available under the advance frequency standardization program.

# TRANSFORMER STEP-DOWN CAPACITY BY VOLTAGES

Rating of high-voltage winding	Frequency	Total capacity		Net change
		At Dec. 31, 1951	At Dec. 31, 1952	
volts	cycles	kva	kva	kva
<b>SOUTHERN ONTARIO SYSTEM</b>				
230,000 . . . . .	25	900,000	940,000	40,000
230,000 . . . . .	60	634,000	1,202,000	568,000
115,000 . . . . .	25	1,728,850	1,777,850	49,000
115,000 . . . . .	60	996,550	1,622,675	626,125
44,000 . . . . .	60	233,654	265,829	32,175
44,000 . . . . .	66 $\frac{2}{3}$	7,750	7,750	.....
33,000 . . . . .	60	11,720	8,600	3,120
26,400 . . . . .	25	288,125	288,325	200
26,400 . . . . .	60	135,590	205,265	69,675
22,000 . . . . .	60	10,550	10,550	.....
22,000 . . . . .	66 $\frac{2}{3}$	6,510	6,510	.....
13,200 . . . . .	25	83,075	88,350	5,275
13,200 . . . . .	60	350	6,350	6,000
Less than 13,200 . . . . .	60	9,550	9,850	300
<b>NORTHERN ONTARIO PROPERTIES</b>				
132,000/115,000 . . . . .	25	202,270	202,270	.....
132,000/115,000 . . . . .	60	96,000	110,000	14,000
115,000 . . . . .	60	93,750	118,750	25,000
69,000 . . . . .	60	3,750	3,750	.....
44,000 . . . . .	25	24,500	24,500	.....
44,000 . . . . .	60	33,984	50,752	16,768
26,000 . . . . .	25	57,085	52,585	4,500
22,000 . . . . .	60	13,650	6,982	6,668
12,000 . . . . .	25	11,325	11,325	.....
12,000 . . . . .	60	11,300	11,300	.....
Less than 12,000 . . . . .	25	825	825	.....
Less than 12,000 . . . . .	60	12,775	12,775	.....

## COMMUNICATIONS

In the Southern Ontario System 156 miles of telephone circuit were erected and 80 miles of telephone circuit were rehabilitated for power-system operation. In the Northern Ontario Properties 53 miles were erected and 17 miles were rehabilitated.

Under an agreement recently made with The Bell Telephone Company of Canada, the Commission's voice telephone communications in the Southern Ontario System will be progressively incorporated with those of the Company. Thus duplication of services will be gradually reduced, and as far as may be feasible voice telephone communication facilities in the System will be supplied by the Company.

Communications switching facilities were installed at a number of generating and transformer stations, at the Niagara and East Central Regional Offices, and at the Connaught Area Office. Telemetering and load control facilities were provided at Abitibi Canyon Generating Station and the Timmins and R. H. Martindale Transformer Stations.

The tabulation below lists telephone and power-line carrier facilities which have been added to the Commission's communications between the points named.

### Facilities for Telemetering and Control

#### Auxiliary communications control cable

<i>From</i>	<i>To</i>
Head Office Administration Building	Toronto Hydro-Electric System Station E
Ottawa-Riverdale T.S.	Ottawa-Overbrook T.S.
Trethewey Falls G.S.	South Falls G.S.
Hanna Chute G.S.	South Falls G.S.
Dow Chemical Company Station 41	Dow Chemical Company Station 48
Port Arthur T.S.	Northwestern Regional Office

#### Administrative and operational channels

<i>From</i>	<i>To</i>
Smith's Falls T.S.	Merivale S.S.
Burlington T.S.	Stratford T.S.
Essex T.S.	E. V. Buchanan T.S.

#### Power-line carrier relay-protection channel

<i>From</i>	<i>To</i>
Des Joachims G.S.	Otto Holden G.S.
Des Joachims G.S.	Minden S.S.
Burlington T.S.	Allanburg T.S.
St. Thomas T.S.	E. V. Buchanan T.S.

In addition to the above, telemetering and load-control channels were established between Des Joachims and Otto Holden Generating Stations, and voice carrier circuits between these same stations and between Abitibi Canyon Generating Station and R. H. Martindale Transformer Station.



## Radio

Additional frequency-modulation radio stations were strategically located at nine new points in the Southern Ontario System, and at two generating stations and a storage dam in the Northern Ontario Properties. Twenty-two mobile frequency-modulation units were added in the Georgian Bay Region and four in the Thunder Bay District. The addition of these facilities will further expand the service given by radio-controlled units in these areas.

## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1951	At Dec. 31, 1952	At Dec. 31, 1951	At Dec. 31, 1952
SOUTHERN ONTARIO SYSTEM				
230,000-volt. . . . . steel tower. . . . .	2,270.05	2,432.85	2,693.40	2,858.39
115,000-volt. . . . . steel tower. . . . .	1,422.23	1,430.12	2,146.10	2,229.70
115,000-volt. . . . . wood pole. . . . .	773.21	806.80	776.86	810.97
115,000-volt. . . . . underground cable	2.95	4.88	4.00	8.83
60,000-volt. . . . . steel tower. . . . .	20.00	11.17	21.13	12.30
60,000-volt. . . . . wood pole. . . . .	0.00	2.66	0.00	2.66
44,000-volt. . . . . steel tower. . . . .	98.20	87.15	136.55	114.45
44,000-volt and less. steel and wood . . .	4,165.97	4,286.62	4,612.24	4,769.66
Total Southern Ontario System. . . . .	8,752.61	9,062.25	10,390.28	10,806.96
NORTHERN ONTARIO PROPERTIES				
132,000-volt. . . . . steel tower. . . . .	386.16	386.16	772.32	772.32
132,000-volt. . . . . wood pole. . . . .	262.84	268.54	262.84	268.54
115,000-volt. . . . . steel tower. . . . .	298.60	298.60	512.66	512.66
115,000-volt. . . . . wood pole. . . . .	665.85	717.56	665.85	717.56
69,000-volt. . . . . wood pole. . . . .	203.72	203.72	203.72	203.72
44,000-volt and less. wood pole. . . . .	1,351.25	1,416.60	1,472.31	1,531.13
Total Northern Ontario Properties . .	3,168.42	3,291.18	3,889.70	4,005.93
Total—All systems. . . . .	11,921.03	12,353.43	14,279.98	14,812.89

NOTE: The figure of 11,921.03 line miles and 14,279.98 circuit miles at December 31, 1951 includes 526.49 miles of single-circuit low-voltage lines (less than 44 kv) not previously reported in the Annual Report.

Circuit miles of 230,000-volt line in the Province of Quebec connected to H-E.P.C. lines = 103.47 miles, making a total system interconnected mileage of 2,961.86.

## APPENDIX V—LEGISLATIVE

AT THE 1952 Sessions of the Legislative Assembly of the Province of Ontario four Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

### 1952, 1st Session

The International Rapids Power Development Agreement Act,  
1952, Chapter 42

The Power Commission Amendment Act, 1952, Chapter 77

The Rural Telephone Systems Amendment Act, 1952, Chapter 93

### 1952, 2nd Session

The St. Lawrence Development Act, 1952, (No. 2), Chapter 3.

## ACTS

### CHAPTER 42

*An Act to approve an Agreement between Canada and Ontario respecting the Generation of Electrical Power in the International Rapids Section of the St. Lawrence River*

*Assented to April 10th, 1952.*

*Session Prorogued April 10th, 1952.*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Agreement  
approved

1. The agreement made the 3rd day of December, 1951, between the Government of Canada and the Government of Ontario, set out as the Schedule to this Act, is approved and all things to be done by virtue thereof are authorized.

Commence-  
ment

2. This Act comes into force on a day to be named by the Lieutenant-Governor by his Proclamation.

Short title

3. This Act may be cited as *The International Rapids Power Development Agreement Act, 1952.*

## SCHEDULE

AGREEMENT made this third day of December, A.D. 1951,

BETWEEN:

THE GOVERNMENT OF CANADA, herein represented by The Right Honourable LOUIS S. ST. LAURENT, Prime Minister, and The Honourable LIONEL CHEVRIER, Minister of Transport, hereinafter referred to as Canada,

OF THE FIRST PART,

—and—

THE GOVERNMENT OF ONTARIO, herein represented by The Honourable LESLIE M. FROST, Premier, and The Honourable GEORGE H. CHALLIES, Acting Provincial Secretary, hereinafter referred to as Ontario,

OF THE SECOND PART.

WHEREAS the development of the power resources in the International Rapids Section of the St. Lawrence River is urgently required;

WHEREAS it is intended that the Canadian share of the power to be developed therefrom would be available to Ontario;

WHEREAS Ontario is desirous of undertaking such development concurrently with the undertaking of a complementary development by an appropriate authority in the United States of America;

AND WHEREAS, by the Boundary Waters Treaty binding upon Canada and the United States of America, it is agreed that further uses of or obstructions or diversions of boundary waters on either side of the line affecting the natural level or flow of boundary waters on the other side of the line may not be made except by authority of the United States or Canada within their respective jurisdictions and with the approval of the International Joint Commission constituted by the Treaty;

AND WHEREAS the Treaty provides with respect to boundary waters:—

“The following order of precedence shall be observed among the various uses enumerated hereinafter for these waters, and no use shall be permitted which tends materially to conflict with or restrain any other use which is given preference over it in this order of precedence:

- (1) Uses for domestic and sanitary purposes;
- (2) Uses for navigation, including the service of canals for the purposes of navigation;
- (3) Uses for power and for irrigation purposes.”

AND WHEREAS it is desirable that an agreement should be made between Canada and Ontario concerning the construction, maintenance and operation of works for the development of power in the International Rapids Section subject to and in accordance with Canada's obligations under the Boundary Waters Treaty;

NOW THEREFORE this Agreement witnesseth that the parties hereto agree as follows:—

### ARTICLE I

For the purposes of this Agreement, unless the context otherwise requires, the expression:—

- (a) “deep waterway” means adequate provision for navigation requiring a controlling channel depth of twenty-seven feet with a depth of thirty feet over lock sills in general accordance with the specifications set forth in the Report of the Joint Board of Engineers, dated November 16, 1926;
- (b) “International Rapids Section” means that part of the International Section which extends from Chimney Point to the village of St. Regis;
- (c) “International Section” means that part of the St. Lawrence River through which the International boundary line runs;

- (d) "St. Lawrence River" includes the river channels and the lakes forming parts of the river channels from the outlet of Lake Ontario to the sea; and
- (e) "the works" means the works described in Article II to be undertaken and carried out by Ontario.

#### ARTICLE II

Canada will do all in its power, consistently with its obligations under the Boundary Waters Treaty of 1909 aforementioned and the preservation of the interests of others in the St. Lawrence River, to obtain the approval of the International Joint Commission established under the said Boundary Waters Treaty pursuant to an application to be made by Ontario in a form approved by Canada, of works to develop the power resources of the International Rapids Section of the St. Lawrence River to be undertaken by Ontario concurrently with the undertaking of complementary works by an appropriate authority in the United States of America, in accordance with the plan known as the "Controlled Single Stage Project (238-242)", containing the features described in the Annex to this Agreement with such modifications as may be agreed upon herein or by Canada and Ontario.

#### ARTICLE III

Articles IV to XVI of this Agreement shall not come into operation until the making of an order by His Excellency the Governor General in Council of Canada signifying on behalf of Canada that

- (a) the terms upon which the International Joint Commission has approved the works mentioned in Article II of this Agreement for the development of the power resources of the International Rapids Section, including the works to be undertaken by Ontario, under Article III of the Boundary Waters Treaty of 1909 are satisfactory to Canada; and
- (b) Ontario has satisfied Canada that it will, concurrently with complementary operations by an appropriate authority in the United States, undertake the construction, maintenance and operation of the works.

#### ARTICLE IV

Canada and Ontario will cause to be enacted such legislation as may be agreed upon between them as being necessary to authorize and provide fully for the construction, maintenance and operation of the works.

#### ARTICLE V

(1) Subject to paragraph two of this Article, Canada will transfer to Ontario the administration of such lands belonging to Canada as are required for the works and such lands shall belong to Ontario.

(2) Ontario will compensate Canada for all lands the administration of which is transferred to Ontario pursuant to paragraph one of this Article other than the lands or property forming part of the existing canal system in the International Rapids Section.

(3) Upon completion of the necessary works to permit the continuance of fourteen-foot navigation on the Canadian side around the control dam and from the pool above Long Sault Dam to connect with the existing Cornwall Canal, as provided in paragraph seven of the Annex hereto, Ontario will transfer to Canada the administration of such works, the sites thereof and such lands belonging to Ontario as are required for the operation thereof, and such works, sites and lands shall belong to Canada.

(4) Ontario will indemnify and save Canada harmless in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of the works, it being understood by the parties hereto that no damages can so arise west of a line drawn due north and south through the most westerly point of Spencer Island and it is agreed that this indemnity clause shall not apply to any claim for any such damages alleged to have been sustained west of the said line.



ARTICLE VI

(1) Ontario will, to the full extent of its ability, concurrently with complementary operations by an appropriate authority in the United States of America, construct, maintain and operate the works in accordance with the terms of this Agreement, and in that respect will carry out and give full force and effect to all or any conditions, provisions or orders imposed or made by or under the authority of the International Joint Commission or by the Governor General in Council of Canada for the protection of navigation or to regulate and control the use of the water of the St. Lawrence River for the works, for the protection of others engaged in the production of power outside the Province of Ontario, and, in the case of any default on the part of Ontario, Canada may, by notice in writing specifying the particulars of the alleged default, require full and complete compliance, within a period or periods named in the notice, by Ontario with its obligations hereunder in respect of which default is alleged, and if the notice is not complied with within the time or any of the respective times so specified, Canada may, subject to paragraph two of this Article, take over or undertake the operation of the works or any part of the works or may construct, maintain and carry out the works, and in any such event the works shall vest in and belong to Canada..

(2) If any dispute arises between the parties hereto as to whether Ontario is carrying out her obligations hereunder or otherwise in any way under this clause, such dispute shall be referred to an arbitral tribunal constituted as provided in Article XIV of this Agreement and, pending disposition by the tribunal of such dispute, Ontario may carry on the construction, maintenance or operation of the works and Canada shall not take over or undertake the operation of the works or any part thereof or the construction, maintenance and carrying out thereof as provided in paragraph one.

ARTICLE VII

Ontario will, at such times and in such manner and form and upon such ratings as may be prescribed by Canada or authorized representatives of Canada,

- (a) take and keep records of the flow and water levels in the International Rapids Section and furnish certified copies thereof to Canada;
- (b) calibrate or cause to be calibrated its turbines, penstocks, sluices or other water passages forming part of the works.

ARTICLE VIII

Canada or authorized representatives of Canada will at all times be empowered

- (a) to have free access to the works;
- (b) to measure the discharge of the various sluices, turbines, penstocks or other water passages forming part of the works.

ARTICLE IX

Ontario will furnish to Canada such plans, drawings or other information relating to the works as Canada may request from time to time.

ARTICLE X

Ontario may provide for the enjoyment and exercise by The Hydro-Electric Power Commission of Ontario of any of Ontario's rights and benefits under this Agreement.

ARTICLE XI

(1) Subject to the provisions of this Article, Ontario will transfer to Canada the administration of any such lands belonging to Ontario as are specified by Canada as being required for the sites of locks and works to carry a deep waterway through the International Rapids Section or for the construction, maintenance and operation thereof and such lands shall belong to Canada.

(2) Canada will compensate Ontario for all lands the administration of which is transferred to Canada pursuant to paragraph one of this Article, other than lands or property of Ontario forming part of or acquired and held by Ontario for the purposes of the works.

(3) Subject to paragraph four of this Article, Ontario will not be entitled to any compensation for lands or property of Ontario forming part of or acquired and held by Ontario for the purposes of the works, the administration of which is required to be transferred by Ontario to Canada pursuant to paragraph one of this Article, and Ontario will not be entitled to claim any compensation for loss or expenses incurred with respect to the works or the maintenance or operation thereof or the distribution of power therefrom arising out of the construction by Canada of the locks or works required for the said deep waterway.

(4) Where Ontario has, before constructing any part of the works, given notice to Canada of the location of that part of the works, if Canada did not before commencement of the construction thereof give notice to Ontario that the lands upon which that part of the works was to be located might be required for the purposes of the said deep waterway and if Canada thereafter requires Ontario to transfer the administration of those lands to Canada pursuant to paragraph one of this Article, Ontario will be entitled to compensation for those lands and the said part of the works and for all loss or expense incurred with respect to the works or the maintenance or operation thereof or the distribution of power therefrom arising by reason of Canada requiring Ontario to transfer the said lands and said part of the works to Canada.

(5) Canada will indemnify and save Ontario harmless in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of a deep waterway through the International Rapids Section.

#### ARTICLE XII

If the construction by Canada of the locks and works mentioned in Article XI renders unnecessary the construction by Ontario of the works required to permit the continuance of fourteen-foot navigation as described in paragraph seven of the Annex to this Agreement, Ontario will pay to Canada a part of the cost of such locks and works equivalent to the cost of the works that would have been required to be constructed by Ontario to permit the continuance of such fourteen-foot navigation.

#### ARTICLE XIII

Ontario will furnish at cost such power as may from time to time be required by Canada for the operation of the navigation works and for other purposes of navigation in the International Rapids Section.

#### ARTICLE XIV

(1) In the event of Canada and Ontario failing to agree on the interpretation of any part of this Agreement or any matter arising therefrom, either party shall have the right to refer the matter to an arbitral tribunal.

(2) Each arbitral tribunal shall consist of one person chosen by Canada, one person chosen by Ontario and one person chosen by agreement between Canada and Ontario. If they fail to agree, the third member of the tribunal shall be chosen by the Chief Justice of Canada.

(3) Both parties agree to facilitate the constitution and functioning of arbitral tribunals and to accept their decisions.

(4) The procedure in any arbitration under the provisions of this Article will be determined by Agreement between the parties hereto.

#### ARTICLE XV

Ontario will establish a Commission to supervise the execution of such works as may be appropriate, consistently with the execution of the works, to safeguard and enhance the scenic beauty of and historic associations with the International Rapids Section.

#### ARTICLE XVI

Where by the terms of this Agreement any notice or request is to be given or made by or on behalf of Canada, such notice or request shall be deemed, for the purposes of this Agreement, to be effectively given or made if given or made by the Minister of Transport of Canada to the Provincial Secretary of Ontario, and where by the terms of this Agreement any notice or request is to be given or made by or on

behalf of Ontario, such notice or request shall be deemed for the purposes of this Agreement, to be effectively given or made if given or made to the Minister of Transport by the Provincial Secretary or a person authorized by him in that behalf, notice of whose authority has been given to the Minister of Transport by the Provincial Secretary.

# ARTICLE XVII

This Agreement is made subject to its approval by the Parliament of Canada and by the Legislature of the Province of Ontario. If, however, approval of the works by the International Joint Commission is not obtained within three years from the date of this Agreement either party hereto may, by written notice to the other, forthwith cancel this Agreement.

IN WITNESS WHEREOF the Right Honourable LOUIS S. ST. LAURENT, Prime Minister, and the Honourable LIONEL CHEVRIER, Minister of Transport, have hereunto set their hands on behalf of Canada and the Honourable LESLIE M. FROST, Premier, and the Honourable GEORGE H. CHALLIES, Acting Provincial Secretary, have hereunto set their hands on behalf of Ontario; both upon the third day of December, 1951.

(Sgd.) LOUIS S. ST. LAURENT.  
 " LIONEL CHEVRIER.  
 " LESLIE M. FROST.  
 " GEO. H. CHALLIES.

## ANNEX TO THE CANADA-ONTARIO AGREEMENT

(See ARTICLE II)

The main features of the Controlled Single Stage Project (238-242) subject to modification pursuant to Article II, are as follows:—

- (1) A control dam in the vicinity of Iroquois Point.
- (2) A dam in the Long Sault Rapids at the head of Barnhart Island and two powerhouses, one on either side of the international boundary, at the foot of Barnhart Island.
- (3) Dykes, where necessary, on the United States and Canadian sides of the international boundary, to retain the pool level above the Long Sault Dam.
- (4) Channel enlargement from above Chimney Point to below Lotus Island designed to give a maximum mean velocity in any cross section of the channel which will ultimately be used for navigation not exceeding four feet per second at any time and between Lotus Island and the control dam and from above Point Three Point to below Ogden Island designed to give a maximum mean velocity in any cross section not exceeding two and one-quarter feet per second with the flow and at the stage to be permitted on the first of January of any year, under regulation of outflow and levels of Lake Ontario in accordance with Regulation Method No. 5, as prepared by the General Engineering Branch, Department of Transport, Canada, dated Ottawa, September, 1940.
- (5) Channel enlargement in the channels north and south of Cornwall Island equivalent in volume to that proposed in Features 33 and 34 as described in the Final Report on the St. Lawrence River Project by the Chief of Engineers, U.S. Army, dated April, 1942, and shown in outline on Drawing CC-R-1/1, Appendix III-O(1), to the Final Report referred to above.
- (6) The necessary railroad and highway modifications on either side of the international boundary.
- (7) The necessary works to permit the continuance of fourteen-foot navigation on the Canadian side around the control dam and from the pool above the Long Sault Dam to connect with the existing Cornwall Canal.
- (8) The Rehabilitation of the Towns of Iroquois and Morrisburg, Ontario.

All the works in the pool below the control dam shall be designed to provide for full Lake Ontario level but initially the pool shall be operated at maximum elevation 238-0.



## CHAPTER 77

*An Act to amend The Power Commission Act**Assented to April 10th, 1952.**Session Prorogued April 10th, 1952.*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat.,  
c. 281, s. 36,  
amended

1. Section 36 of *The Power Commission Act* is amended by inserting after the article "the" in the sixth line the word "generation", so that the section shall read as follows:

Powers of  
Commission  
as to  
lines on  
highways

36. In the exercise of the powers conferred and in carrying out any work authorized by this Act or any other general or special Act, the Commission has and always has had authority to put down, carry, construct, erect and maintain such conduits, wires, poles, towers and other equipment and works used in the generation, transmission and distribution of electrical power and energy as it deems necessary or desirable, under, along, across or upon any public street or highway and to remove or replace them without taking any of the proceedings prescribed by this Act for the taking of land without the consent of the owner thereof, and the provisions of this Act with regard to compensation for lands so taken shall not apply, but the location of any such conduits, wires, poles, towers, equipment or works to be put down, carried, constructed or erected under, along, across or upon a public street or highway shall be agreed upon by the Commission and the municipal corporation or other authority having control of the public street or highway, and in case of disagreement shall be determined by the Ontario Municipal Board.

Rev. Stat.,  
c. 281, s. 41,  
re-enacted

2. Section 41 of *The Power Commission Act*, as amended by section 4 of *The Power Commission Amendment Act, 1951*, is repealed and the following substituted therefor:

Powers of  
expropriation

1951, c. 55  
1952, c. 100

41. The compulsory powers conferred by this Act or by *The Niagara Development Act, 1951* or by *The St. Lawrence Development Act, 1952* shall extend to land, works, rights, powers, privileges and property notwithstanding anything in this Act or in any general or special Act and notwithstanding that they are or may be deemed to be devoted to a municipal or any other public use or that the owner thereof possesses the power of taking land compulsorily and notwithstanding the origin, nature or sources of the owner's title thereto, whether statutory or otherwise, or the manner whereby it was acquired by the owner or by any of his predecessors in title.



3. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,  
c. 281,  
amended

43a. Notwithstanding anything in any other Act, where any right, interest, way, privilege, permit or easement has heretofore been, or is hereafter acquired by the Commission, in, through, over, under, along, upon, across or affecting any land, unless it is otherwise agreed, the land shall continue subject thereto for the term thereof and it shall be binding upon the owner at the time of acquisition and all subsequent owners of the land until expiration or release by the Commission. Continuance  
of easements,  
etc.

4. Subsections 1, 2 and 3 of section 45 of *The Power Commission Act* are repealed. Rev. Stat.,  
c. 281, s. 45,  
subss. 1-3,  
repealed

5. *The Power Commission Act* is amended by adding thereto the following section: Rev. Stat.,  
c. 281,  
amended

45a.—(1) Notwithstanding anything in *The Assessment Act* or in any other general or special Act, the Commission and its property shall not be subject to taxation for municipal or school purposes, except for local improvements. Tax  
exemption  
Rev. Stat.,  
c. 24

(2) The Commission shall pay in each year to any municipality in which are situated lands owned by and vested in the Commission or buildings used exclusively for executive and administrative purposes and owned by and vested in the Commission or buildings owned by and vested in the Commission and rented by the Commission to other persons, the total amount that all rates, except, subject to subsections 3 and 4, rates on business assessment, levied in that municipality for taxation purposes based on the assessed value of the land at the actual value thereof according to the average value of land in the locality and the assessed value of such buildings, would produce. Annual  
payments  
to municipi-  
palities

(3) The Commission shall also pay the amount that the current rates on business assessment on the lands or buildings referred to in subsection 2, not including any lands referred to in subsection 4, would produce based on the applicable percentage of the assessed value provided for in subsection 2. Idem

(4) The Commission shall also pay the amount that the current rates on business assessment would produce on land and buildings owned or occupied by the Commission for carrying on the business of selling by retail electrical goods, supplies or appliances. Idem

(5) The payments received under subsections 2, 3 and 4 shall be credited by the municipality to the general fund of the municipality. Credit to  
municipal  
general  
fund

- |                        |   |
|------------------------|---|
| Valuation              | (6) The assessments and assessed values referred to in this section shall be valuations made in each year for the purposes of this section by the Department of Municipal Affairs, and subject to subsections 2, 3 and 12 the valuations shall be made on the same basis as real property liable for municipal taxation in the municipality.  |
| Minister's decision    | (7) The decision of the Minister of Municipal Affairs as to whether this section applies to any property of the Commission shall be final.  |
| Valuation notice       | (8) The Department of Municipal Affairs shall, on completion of the valuation of the Commission's property in a municipality, deliver or mail to the clerk of the municipality and to the Commission a notice setting out the valuations referred to in subsection 6.   |
| Appeals                | (9) The municipality or the Commission may appeal to the Ontario Municipal Board against the valuation and a notice of appeal to the Board under this subsection shall be sent by the party appealing, by registered mail, to the secretary of the Board within twenty-one days after the notice of the valuation has been delivered or mailed under subsection 8.  |
| Hearing                | (10) Upon receipt of a notice of appeal under this section, the secretary of the Ontario Municipal Board shall arrange a time and place for hearing the appeal and shall send notice thereof to all parties concerned in the appeal at least fourteen days before the hearing.  |
| Jurisdiction on appeal | (11) The Ontario Municipal Board upon appeal shall determine the amount at which the property in question shall be valued and its decision shall be final and binding and there shall be no appeal therefrom.   |
| Exemptions             | (12) In making the valuations referred to in subsection 6, there shall be no value included for machinery whether fixed or not nor the foundation on which it rests, works, structures other than buildings referred to in subsection 2 or 4, substructures, superstructures, rails, ties, poles, towers, lines nor any of the things excepted from exemption from taxation by paragraph 17 of section 4 of <i>The Assessment Act</i> , nor other property, works or improvements not referred to in subsection 2 or 4, nor to an easement or the right or use of occupation or other interest in land not owned by the Commission. |

Rev. Stat.,  
c. 24

Rev. Stat.,  
c. 281, s. 46,  
amended

6. Section 46 of *The Power Commission Act*, as amended by section 5 of *The Power Commission Amendment Act, 1951*, is further amended by inserting after the figures "1951" in the amendment of

1951 the words and figures "and of *The St. Lawrence Development Act, 1952*", so that the section shall read as follows:

46. The Lieutenant-Governor in Council may raise by way of loan in the manner provided by *The Provincial Loans Act* such sums as the Lieutenant-Governor in Council may deem requisite for the purposes of this Act and of *The Niagara Development Act, 1951* and of *The St. Lawrence Development Act, 1952*, and the sums so raised may either be advanced to the Commission or applied by the Treasurer of Ontario in the purchase of notes, bonds, debentures or other securities of the Commission issued by the Commission under the authority of this Act.

Government  
authorized  
to raise  
funds for  
works of  
Commission

Rev. Stat.,  
c. 299  
1951, c. 55  
1952, c. 100

7. Clause *e* of subsection 2 of section 51 of *The Power Commission Act*, as amended by subsection 2 of section 9 of *The Power Commission Amendment Act, 1951*, is further amended by inserting after the figures "1951" in the amendment of 1951 the words and figures "or in *The St. Lawrence Development Act, 1952*", so that the clause shall read as follows:

Rev. Stat.,  
c. 281, s. 51,  
subs. 2,  
cl. *e*,  
amended

- (*e*) carrying out any of the powers and purposes of the Commission referred to in sections 24 to 28, 38 and 84 or in respect of the acquisition or construction of works referred to in section 59, or carrying out any of the powers and purposes of the Commission referred to in *The Niagara Development Act, 1951* or in *The St. Lawrence Development Act, 1952*, providing in whole or in part for expenditures of the Commission made or to be made in connection therewith, reimbursing the Commission for any such expenditures heretofore or hereafter made, and repaying in whole or in part any temporary borrowings of the Commission for any of such purposes.

1951, c. 55  
1952, c. 100

8. Section 120 of *The Power Commission Act* is amended by adding thereto the following subsection:

Rev. Stat.,  
c. 281, s. 120,  
amended

- (3) Notwithstanding subsection 2, if a member of a commission referred to in that subsection who is appointed by the Commission dies, or wishes to resign, or refuses to act, or becomes unable from any cause to perform his duties, the Commission may appoint a successor in his stead for the remainder of his term of office, and such successor shall be eligible for reappointment.

Appointment  
of successor  
to commis-  
sioner  
appointed by  
Commission

9.—(1) This Act, except sections 4 and 5, comes into force on the day it receives Royal Assent.

Commence-  
ment

(2) Sections 4 and 5 shall be deemed to have come into force on the 1st day of January, 1952.

Idem

10. This Act may be cited as *The Power Commission Amendment Act, 1952*.

Short Title



## CHAPTER 93

*An Act to amend The Rural Telephone Systems Act, 1951**Assented to April 10th, 1952.**Session Prorogued April 10th, 1952.*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1951,  
c. 80, s. 2,  
subs. 1,  
cl. d, re-  
enacted

1. Clause *d* of subsection 1 of section 2 of *The Rural Telephone Systems Act, 1951* is repealed and the following substituted therefor:

- (d) when in its opinion it is desirable, make agreements with the companies for the joint use of poles upon such terms and conditions as may be mutually agreed upon;
- (e) do whatever else is necessary in its opinion to promote the objects of this Act.

Commence-  
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Rural Telephone Systems Amendment Act, 1952*.

## CHAPTER 3

*The St. Lawrence Development Act, 1952 (No. 2)**Assented to October 23rd, 1952.**Session Prorogued October 23rd, 1952.*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Interpre-  
tation

1. In this Act,

- (a) "Board" means Ontario Municipal Board; *New*.
- (b) "Canada-Ontario agreement" means the agreement between the Government of Canada and the Government of Ontario providing for the development of power resources in the International Rapids Section of the St. Lawrence River, dated the 3rd day of December, 1951, and set out as the Schedule to *The International Rapids Power Development Agreement Act, 1952*;
- (c) "Commission" means The Hydro-Electric Power Commission of Ontario; 1952, c. 100, s. 1, cls. (a, b).
- (d) "land" includes any estate, term, easement, right or interest in, to, over or affecting land; 1952, c. 100, s. 1, cl. (c), *amended*.

1952, c. 42



- (e) "power" includes electrical, pneumatic, hydraulic, mechanical, atomic, steam, gas and other power and also energy; 1952, c. 100, s. 1, cl. (d).
- (f) "property" means property of any kind, other than land, and includes any interest in property; *New*.
- (g) "supply" includes delivery, dealing in and sale;
- (h) "works" includes all property, plant, machinery, buildings, erections, constructions, installations, materials, devices, fittings, apparatus, appliances and equipment for the generation, transformation, transmission, distribution, supply or use of power. 1952, c. 100, s. 1, cls. (e, f).

2. When the works described in Article II of the Canada-Ontario agreement have been approved by the International Joint Commission established under the Boundary Waters Treaty of 1909 and when the order of His Excellency the Governor General of Canada referred to in Article III of the Canada-Ontario agreement has been made and when the Commission has been authorized by the Lieutenant-Governor in Council to proceed concurrently with the undertaking of complementary works by an appropriate authority in the United States of America, the Commission shall undertake and perform all the obligations of the Government of Ontario under the Canada-Ontario agreement, except the transfer of the administration of the works, sites and lands belonging to Ontario provided for in clause 3 of Article V and in Article XI of the Canada-Ontario agreement, and shall proceed with the construction, maintenance and operation of the works to develop and utilize the power resources of the International Rapids Section of the St. Lawrence River, and for this purpose may enjoy and exercise in its own name all the rights and benefits of the Government of Ontario under the Canada-Ontario agreement. 1952, c. 100, ss. 2, 3, *amended*.

When Commission may undertake power development

3. Upon the transfer of the administration of the lands belonging to Canada provided for in Article V of the Canada-Ontario agreement, such lands vest in the Commission. 1952, c. 100, s. 4.

Lands transferred by Canada

4. All lands acquired and all works constructed by the Commission under this Act belong to the Commission. 1952, c. 100, s. 5.

Title to lands and works

5. The Commission shall indemnify and save harmless Her Majesty in right of Ontario in respect of all claims of third parties in any way arising out of the construction, maintenance or operation of the works authorized by this Act. 1952, c. 100, s. 11.

Indemnification of Crown

6. The Commission shall pay Her Majesty in right of Ontario compensation in such manner and upon such terms as may be agreed upon by them from time to time for water diverted under clause a of subsection 1 of section 8. 1952, c. 100, s. 12.

Rates for water diverted

General fund  
applicable

Rev. Stat.,  
c. 281

7. The purposes and objects of this Act shall be deemed to be purposes and objects of the Commission under section 12 of *The Power Commission Act* and any liabilities of the Commission heretofore incurred and any expenditure of funds by the Commission heretofore made therefor are ratified and confirmed. 1952, c. 100, s. 9.

Powers

8.—(1) When the conditions mentioned in section 2 have been fulfilled and the Commission is required to proceed with the works mentioned therein, the Commission, without any further approval, may,

- (a) divert the waters of the St. Lawrence River in such manner and in such amount as in its opinion is necessary for the operation and utilization of the works, construct, maintain and operate the works, and by the use of these waters generate power and use, transform, transmit, convert, distribute, make available for use and supply it;
- (b) construct, install, maintain and operate works and roads required for or incidental to the other matters authorized by this Act;
- (c) connect any of the works constructed or installed under clause *a* or *b* with any other power works or systems;
- (d) acquire for the purposes of this Act by purchase, lease or otherwise, or without the consent of the owner, enter upon, take possession of, expropriate and use such land, waters, water privileges, water powers, access and other roads, buildings and works as in its opinion are necessary, and use, utilize, develop and improve them, and upon such terms as it deems proper, sell, lease or dispose of such of them as in its opinion are no longer necessary for its purposes;
- (e) acquire for the purposes of this Act, by purchase or otherwise, water, coal, steam, oil, material, equipment and other supplies;
- (f) do such other acts and things as in its opinion are reasonably necessary for carrying out this section. 1952, c. 100, s. 6 (1), *amended*.

Conditional  
powers

(2) Subject to the approval of the Lieutenant-Governor in Council and for the purposes of this Act, the Commission may,

- (a) exercise any of the powers conferred upon it by *The Power Commission Act*;
- (b) by agreement and in lieu of compensation rehabilitate any person in respect of any land or property;
- (c) provide such services as are normally provided by a municipality or other local public authority either by itself or through or in conjunction with the municipality or other local public authority;

(d) determine that a claim for compensation made under this Act is to be regarded as a claim in respect of an interest in land or an interest in property where such may not be the case in law;

(e) do such acts and things as in its opinion are reasonably necessary for carrying out the Canada-Ontario agreement and this Act.

(3) Every municipality and other local public authority has <sup>Municipal powers enlarged</sup> power to enter into the agreements provided for in clause b of subsection 2. *New.*

9.—(1) Where the Commission desires to expropriate land under the powers conferred by this Act, it shall deposit in the proper registry or land titles office a plan and description of the land signed by the chairman or a member or the secretary or an engineer of the Commission, or by an Ontario land surveyor, and thereupon the land vests in the Commission. <sup>Deposit of plan and description</sup>

(2) Where the land is required for a limited time only, or only a limited estate, right or interest therein is required, the plan and description so deposited shall indicate, by appropriate words written or printed thereon, that the land is taken for such limited time only, or that only such limited estate, right or interest therein is taken, and by the deposit in such case, the right of possession for such limited time, or such limited estate, right or interest, vests in the Commission. <sup>Where land temporarily required, etc.</sup>

(3) Where the Commission is of opinion that it can obtain the whole of any lot or parcel of land of which a part may be expropriated by it at a more reasonable price or to greater advantage than by acquiring the part only, it may expropriate the whole of the lot or parcel and also a right-of-way thereto, if it is separated from the work, and may afterwards sell and convey the same or any part thereof as it deems expedient. <sup>Power to take whole lot when part only required</sup>

(4) Where any omission, misstatement or erroneous description is made in a plan or description, a correct plan and description may be deposited with like effect. <sup>Correcting plans and descriptions</sup>

(5) Where a plan and description purporting to be signed by the chairman or a member or the secretary or an engineer of the Commission or by an Ontario land surveyor is so deposited, it shall be deemed to have been deposited by the direction and authority of the Commission and as indicating that in the opinion of the Commission the land therein described is necessary for the purposes of this Act, and the plan and description shall not be called in question except by the Commission or by a person acting for the Commission. *New.* <sup>Verification of plans and descriptions</sup>

10.—(1) If any resistance or opposition is made by any person to the Commission, or to any person acting for it, entering upon and taking possession of land acquired for the purposes of this Act or exercising any power in respect thereof, the judge of the county <sup>Warrant for possession</sup>



court of the county in which the land is situate may, on proof of the execution of a conveyance of the land to the Commission, or agreement therefor, or of the depositing in the proper registry or land titles office of a plan and description thereof under section 9, and after notice to show cause given in such manner as he prescribes, issue his warrant to the sheriff of the county in which the land is situate directing him to put down such resistance or opposition, and to put the Commission, or a person acting for it, in possession thereof, or take such steps as may be necessary to enable it to exercise such power.

Duty and  
powers of  
sheriff

(2) The sheriff shall take with him sufficient assistance for such purpose, and shall put down such resistance or opposition, and shall put the Commission, or the person acting for it, in possession thereof, and shall forthwith make return to the court of such warrant and of the manner in which he executed it. *New.*

Right to  
compensa-  
tion

11.—(1) The Commission shall make to the owner of land entered upon, taken or used by it for the purposes of this Act just compensation under this Act for any damage necessarily resulting from such entry, taking or use, beyond any advantage that the owner may derive from the work for which the lands have been so entered upon, taken or used.

Idem

(2) The Commission shall make to the owner of any land or property injuriously affected in the carrying out of the purposes of this Act just compensation under this Act for any damage necessarily resulting therefrom, beyond any advantage that the owner may derive from the work for the purpose of which the land or property was injuriously affected. *New.*

Notice to  
owner

12.—(1) Where land is expropriated or any other action is taken by the Commission that in its opinion might occasion a claim for compensation under this Act by any owner of land or property, it shall give notice to the owner.

Contents  
of notice

(2) Every such notice shall,

- (a) describe the land expropriated or the land or property that may be injuriously affected;
- (b) in the case of an expropriation,
  - (i) state the date and particulars of the deposit of the plan and description, and
  - (ii) describe the nature of the work to be done; and
- (c) in any case other than that of an expropriation, describe the action taken or to be taken that might occasion a claim for compensation.

Time of  
notice

(3) Every such notice shall be given,

- (a) in the case of an expropriation, within sixty days after the deposit of the plan and description; and



- (b) in all other cases at any time not later than sixty days after the taking of such action or of the possibility of a claim being made coming to the attention of the Commission,

and shall state that the person notified must file with the Commission within six months of the receipt of the notice particulars of any claim that he may have in respect of the expropriation or other action.

- (4) The notice shall be given,

Method of notice

- (a) where the owner is known and his residence is known, by serving the notice upon or mailing it by registered post addressed to him at his residence; and
- (b) where the owner is unknown or his residence is unknown, by publication of the notice once a week for at least three weeks in a newspaper having general circulation in the county in which the land or property affected is situate.
- New.*

13.—(1) Where notice has been given by the Commission under section 12, no claim of any kind for compensation in respect of the subject-matter of the notice shall be referred to the Board unless the claim and particulars thereof have been filed with the Commission within the period prescribed in the notice or within such further period as may in any case be agreed upon by the Commission.

Where notice given

(2) Where no notice has been given by the Commission under section 12, a claim for compensation shall be made by giving notice thereof to the Commission, and the provisions of this Act with respect to the fixing, payment and application of compensation apply thereto. *New.*

Where no notice given

14. Every person who has any estate or interest in any land or property acquired, taken or used in or injuriously affected in the carrying out of the purposes of this Act, or who represents any such person, shall, upon demand made therefor by or on behalf of the Commission, furnish to the Commission a true statement showing the particulars of such estate and interest and of every charge, lien or encumbrance to which the same is subject, and of the claim made by such person in respect of such estate or interest. *New.*

Power of Commission to require particulars

15.—(1) Where the Commission and the owner cannot agree upon the amount of compensation, either party may give notice in writing to the other and to the Board requiring that the amount of compensation be determined by the Board, and thereupon the Board shall be seized of the matter, which shall be proceeded with in accordance with the practice and procedure of the Board.

Where compensation cannot be agreed upon

(2) Either party may appeal with leave of a justice of appeal to the Court of Appeal from any order made by the Board under subsection 1, and the practice and procedure governing appeals from a county court apply *mutatis mutandis*.

Appeal to Court of Appeal

Finality

(3) The decision of the Court of Appeal is final. *New.*Right of  
Commission  
to abandon  
land taken

16.—(1) Where at any time before the compensation has been actually ascertained or determined, land taken under this Act, or any part thereof, is found to be unnecessary for the purposes for which it was so taken, or if it is found that a more limited estate or interest therein only is required, the Commission may by notice in writing deposited in the proper registry or land titles office, declare that the land or such part thereof is not required and is abandoned by the Commission, or that it is intended to retain only such limited estate or interest as is mentioned in such notice, and thereupon,

(a) the land declared to be abandoned reverts in the person from whom it was taken or in those entitled to claim under him; or

(b) in the event of a limited estate or interest therein being retained by the Commission, the land so reverts subject to the estate or interest so retained.

Effect upon  
compensa-  
tion

(2) Where part only of the land or all of it but a limited estate or interest therein is abandoned, the fact of such abandonment, and the damage, if any, sustained in consequence of that which is abandoned having been taken, and all the other circumstances of the case, shall be taken into account in determining the amount to be paid to any person claiming compensation.

Damages  
where  
abandon-  
ment  
complete

(3) Where the whole of the land taken is abandoned, the person from whom it was taken is entitled to all damages sustained and all costs incurred by him in consequence of the taking and abandonment, and the amount of the damages shall be determined in the manner provided by this Act, and if a reference as to compensation is pending, shall be determined on such reference. *New.*

Contracts  
by tenants  
in tail,  
executors  
and others

17.—(1) Any tenant in tail or for life, guardian, committee, executor, administrator or person, not only for and on behalf of himself, his heirs and assigns, but also for and on behalf of those whom he represents, whether married women, infants, unborn issue, mental incompetents or other persons, seized, possessed or interested in any land or property, may contract and agree with the Commission for the sale of the whole or any part thereof, and may convey or deliver the same to the Commission, and may also contract and agree with the Commission as to the amount of compensation to be paid for any such land or property, or for damage occasioned thereto, and may also act for and on behalf of those whom he represents in any proceeding for determining the compensation to be paid under this Act.

Representa-  
tion of  
person under  
disability

(2) Where there is no guardian or other person to represent a person under disability, the judge of the county court of the county in which the land or property is situate may, after due notice to the persons interested, appoint a guardian or person to represent the person under disability for any of the purposes mentioned in subsection 1. *New.*

18.—(1) In the cases provided for in section 17 the Commission shall, and in all other cases if for any reason the Commission deems it advisable, it may, pay the compensation into the office of the Accountant of the Supreme Court, with interest thereon at 5 per cent for six months. Payment of compensation into court

(2) A notice in such form and for such a time as a judge of the High Court may direct shall be published in such newspaper as the judge may order, stating that the land or property is purchased, acquired or taken by the Commission under this Act, and calling upon all persons entitled to the land or property or to any part thereof to file their claims to the compensation or any part thereof, and all such claims shall be adjudicated upon by the judge, and the judge shall make such order for the distribution, payment or investment of the compensation, and for securing the rights of all parties interested as to right and justice and to law appertains. Proceedings after payment into court

(3) If such order of distribution is obtained less than six months after the payment of the compensation into court, the judge may direct a proportionate part of the interest to be returned to the Commission, and if it is not obtained until after six months have expired the judge may order the Commission to pay interest for such further period as he deems just. Adjustment

(4) Where unborn issue or an unascertained person or class are interested in the compensation, the judge may appoint such person as he deems proper to represent or act for them, and any order made is binding on them. *New.* Representation of parties

19. If the compensation agreed upon or adjudged does not exceed \$100, it may be paid to the person who under this Act may lawfully convey the land or deliver the property or agree as to the compensation, saving always the rights of any other person to the compensation as against the person receiving it. *New.* Payment of compensation up to \$100

20. The compensation agreed upon or adjudged stands in the stead of the land or property, and any claim to or encumbrance thereon shall, as respects the Commission, be converted into a claim to or upon the compensation, and no longer affects the land or property so acquired, taken or used. *New.* Character of compensation

21.—(1) Interest at the rate of 5 per cent per annum may be allowed on the compensation from the time when the land or property was taken, used or injuriously affected; but no person to whom a sum equal to or greater than the compensation has been offered in writing shall be allowed interest thereon for any time subsequent to the date of the offer. Interest on compensation money

(2) If the Board is of the opinion that any delay in determining the compensation is attributable wholly or in part to a person entitled to the compensation or any part of it, the Board may refuse to allow him interest for the whole or any part of the time for which When interest may be withheld



he might otherwise be entitled to interest, or may allow interest at such rate less than 5 per cent per annum as appears just. *New.*

When  
reparation  
by Com-  
mission  
may be  
ordered

22. If the damage occasioned to any land or property alleged to be injuriously affected in the carrying out of the purposes of this Act may be removed wholly or in part by any alteration in, or addition to, any work, or by the construction of any additional work, or by the abandonment of any part of the land taken from the claimant, or by the grant to him of any land or easement, and if the Commission before an award is made undertakes to make such alteration or addition, or to construct such additional work or to abandon such portion of the land taken, or to grant such land or easement, the damages shall be determined in view of such undertaking, and the Board shall declare that, in addition to any damages awarded, the claimant is entitled to have such alteration or addition made, or such additional work constructed, or such part of the land abandoned, or such grant made to him. *New.*

Compensa-  
tion to be  
under Act

23. All claims and proceedings in respect of compensation or damages for any land or property acquired, taken or used in or injuriously affected in the carrying out of the purposes of this Act shall be brought under and in accordance with this Act and not otherwise. *New.*

1952, c. 100,  
repealed

24. *The St. Lawrence Development Act, 1952* is repealed.

Commence-  
ment

25. This Act comes into force on a day to be named by the Lieutenant-Governor by his Proclamation.

Short title

26. This Act may be cited as *The St. Lawrence Development Act, 1952* (No. 2).

ORDERS IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Orders in Council.

SOUTHERN ONTARIO SYSTEM

TOWN			
Port Colborne.....	May 29, 1952	Grimsby North.....	July 30, 1952
VILLAGES		Gwillimbury East.....	Dec. 15, 1952
Bronte.....	Feb. 26, 1952	Hamilton.....	July 15, 1952
Casselman.....	July 31, 1952	Hibbert.....	Feb. 13, 1952
Sundridge.....	Apr. 15, 1952	Lanark.....	Dec. 17, 1952
Sundridge.....	July 2, 1952	Lavant.....	July 15, 1952
TOWNSHIPS		London.....	Apr. 7, 1952
Adjala.....	Dec. 15, 1952	Markham.....	Nov. 19, 1952
Brant.....	Mar. 31, 1952	Mono.....	Dec. 15, 1952
Caledon.....	July 22, 1952	Oxford West.....	July 2, 1952
Cambridge.....	Oct. 1, 1952	Plantagenet North.....	Aug. 20, 1952
Cartwright.....	Nov. 19, 1952	Portland.....	Oct. 17, 1952
Dumfries South.....	Oct. 17, 1952	Seneca.....	Feb. 13, 1952
Gosfield South.....	Nov. 18, 1952	Sydenham.....	July 30, 1952
Griffith & Matawatchan.....	Jan. 18, 1952	Vaughan.....	Nov. 19, 1952
		Verulam.....	Dec. 17, 1952
		Wainfleet.....	June 23, 1952
		Winchester.....	May 2, 1952



## CORPORATIONS

Aluminum Company of Canada, Limited.....	Nov. 10, 1952
Anglin-Norcross Ontario Limited.....	Oct. 1, 1952
Atomic Energy of Canada Limited.....	Aug. 7, 1952
Best Yeast Limited.....	Aug. 26, 1952
Bethlehem Mines Corporation.....	Mar. 3, 1952
Building Products Limited.....	Aug. 20, 1952
Canada Cement Company, Limited.....	Mar. 31, 1952
Canadian Industries Limited.....	Apr. 8, 1952
Canadian Industries Limited.....	June 16, 1952
Canadian International Paper Company.....	June 16, 1952
Consolidated Sand and Gravel, Limited.....	Mar. 17, 1952
Exolon Company.....	Dec. 31, 1951
Ford Motor Company of Canada, Limited.....	June 23, 1952
Goodyear Tire & Rubber Company of Canada, Limited.....	Oct. 24, 1952
Gypsum, Lime and Alabastine, Canada, Limited.....	Aug. 19, 1952
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence for the Dominion of Canada.....	Sept. 19, 1952
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence.....	Dec. 17, 1952
His Majesty the King in right of Canada, represented by the Minister of National Defence for the Dominion of Canada.....	Feb. 5, 1952
Maple Leaf Milling Company Limited.....	Mar. 11, 1952
McKinnon Industries, Limited.....	Feb. 14, 1952
National Fireproofing Company of Canada, Limited.....	Oct. 1, 1952
National Harbours Board.....	Oct. 6, 1952
National Research Council.....	May 26, 1952
National Research Council.....	June 16, 1952
Nichols Chemical Company, Limited.....	Nov. 28, 1952
North American Cyanamid Limited.....	Oct. 24, 1952
Page-Hersey Tubes, Limited.....	Dec. 5, 1951
Roe, A. V., Canada Limited.....	Apr. 15, 1952
Roe, A. V., Canada Limited.....	Apr. 16, 1952
Trans-Northern Pipe Line Company.....	Mar. 31, 1952

## NORTHERN ONTARIO PROPERTIES

## TOWNS

Chelmsford.....	Feb. 13, 1952	Billings and East Allan.....	Feb. 13, 1952
Cochrane.....	Mar. 17, 1952	Black River.....	Apr. 22, 1952
Kapuskasing.....	June 16, 1952	Ferris West.....	Feb. 13, 1952
		Hallam.....	Mar. 3, 1952

## TOWNSHIPS

Baldwin.....	Feb. 13, 1952	Rutherford & George Island.....	Dec. 15, 1952
		Salter, May and Harrow.....	Jan. 30, 1952

## CORPORATIONS

Abitibi Power & Paper Company, Limited.....	Aug. 1, 1951
Boymar Gold Mines Limited.....	Oct. 24, 1952
Campbell Red Lake Mines Limited.....	June 23, 1952
Central Patricia Gold Mines Limited.....	Oct. 24, 1952
Cob-Sil Ore Mines Limited.....	Feb. 13, 1952
East Rim Nickel Mines Limited.....	May 12, 1952
Great Lakes Paper Company, Limited.....	Dec. 15, 1952
Jerome Gold Mines Limited.....	Oct. 21, 1952
Magnet Consolidated Mines Limited.....	Aug. 27, 1952
Matarrow Lead Mines Limited.....	Mar. 11, 1952
McKenzie Red Lake Gold Mines Limited.....	Apr. 8, 1952
Milnet Mines Limited.....	Feb. 13, 1952
New Dickenson Mines Limited.....	Apr. 7, 1952
New Jason Mines Limited.....	Dec. 17, 1952
New Mosher Longlac Mines Limited and Hard Rock Gold Mines, Limited.....	Feb. 26, 1952
New Ryan Lake Mines Limited.....	Jan. 30, 1952
Newlund Mines Limited.....	Nov. 27, 1951
Ontario Pyrites Company Limited.....	Apr. 28, 1952
Pickle Crow Gold Mines Limited.....	Feb. 13, 1952
Shag Silver Mines Limited.....	Mar. 11, 1952



## LIST OF ABBREVIATIONS

A.T.S.	—Autotransformer Station	kwh	—kilowatt-hour(s)
d-c	—direct current	min	—minimum
D.S.	—Distributing Station		—minute (20-min)
F.C.	—Frequency-changer	N.O.P.	—Northern Ontario Properties
G.S.	—Generating Station	rpm	—revolutions per minute
H-E.P.C.	—The Hydro-Electric Power Commission of Ontario	R.O.A.	—Rural Operating Area
H-E.S.	—Hydro-Electric System	S.O.S.	—Southern Ontario System
hp	—horsepower	S.S.	—Switching Station
Imp. Dist.	—Improvement District	T.B.S.	—Thunder Bay System
Jct.	—Junction	T.S.	—Transformer Station
kv	—kilovolt(s)	Twp.	—Township
kva	—kilovolt-ampere(s)	v	—volt
		V.A.	—Voted Area

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*D* = Statement "D"—Customers, Revenue and Consumption in Municipalities  
*L* = Statement of Loads of Systems in Municipalities  
*CP* = Statement of Cost of Power to Municipalities  
*SF* = Statement of Sinking Fund Payments by Municipalities

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Code letters A, B, C, D, with page references, represent each of the statements so designated. L represents Load Trends, CP Cost of Power, and SF Sinking Fund Payments.







